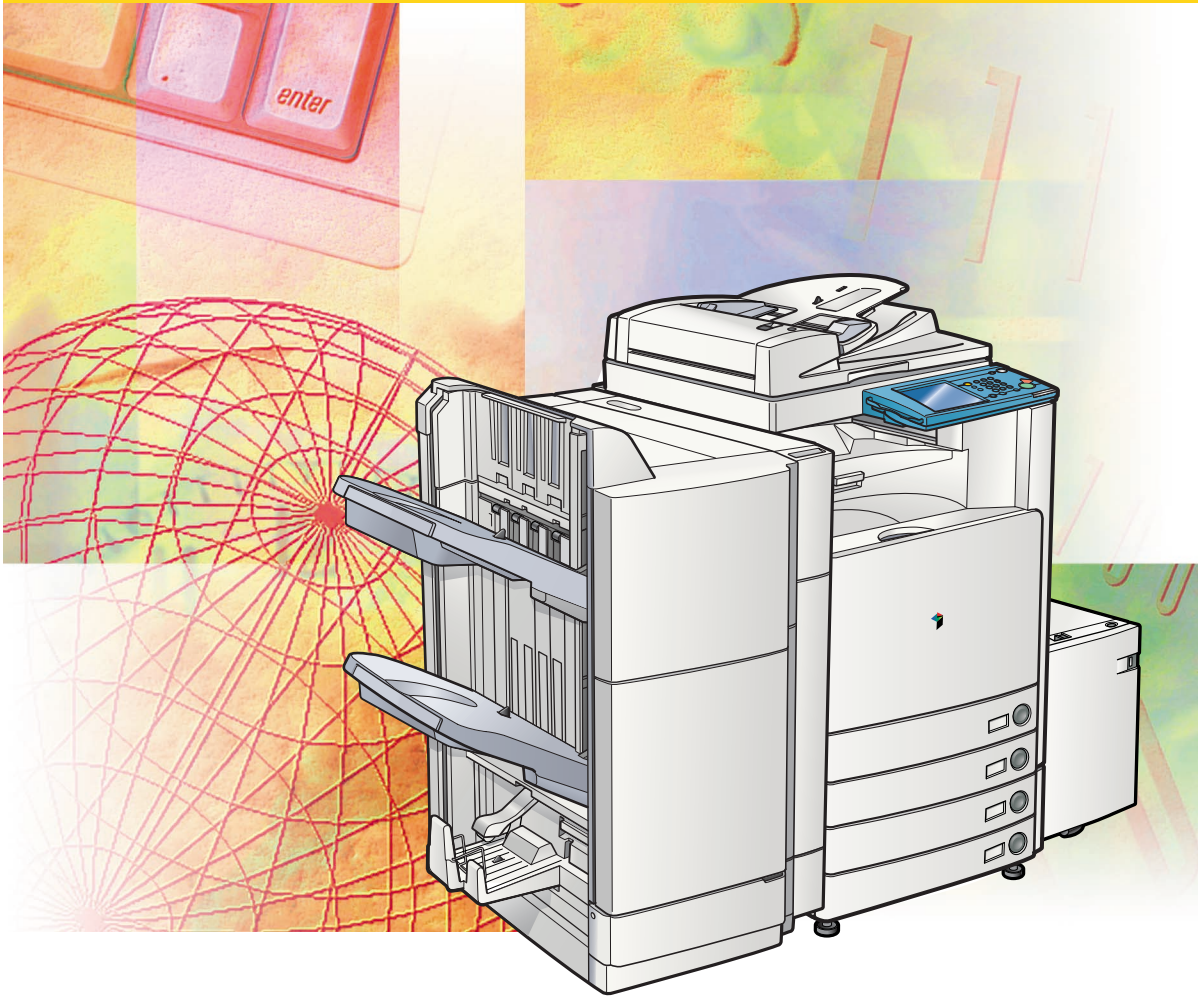
Canon

imageRUNNER C3100N

PS/PCL/UFR Printer Guide



Please read this guide before operating this equipment.
After you finish reading this guide, store it in a safe place for future reference.

ENG

imageRUNNER C3100N
PS/PCL/UFR Printer Guide

Manuals for the Machine

The manuals for this machine are divided as follows. Please refer to them for detailed information.
The manuals supplied with optional equipment are included in the list below. Depending on the system configuration and product purchased, some manuals may not be needed.

Guides with this symbol are printed manuals.

Guides with this symbol are PDF manuals included on the accompanying CD-ROM. (See footnote on the next page.)

• **Basic Operations** • **Troubleshooting**	**Reference Guide**
• **Copying Instructions**	**Copying Guide**
• **Mail Box Instructions**	**Mail Box Guide**
• **Sending and Fax Instructions**	**Sending and Facsimile Guide**
• **Setting Up the Network Connection and Installing the CD-ROM Software**	**Network Quick Start Guide**
• **Remote User Interface Instructions**	**Remote UI Guide**
• **Network Connectivity and Setup Instructions**	**Network Guide**
• **Color Network ScanGear Installation and Instructions**	**Color Network ScanGear User's Guide**
• **PS/PCL/UFR Printer Instructions** For the imageRUNNER C3100N only.	**PS/PCL/UFR Printer Guide (This Document)**
• **UFR Printer Instructions** For the imageRUNNER C3100 only.	**UFR Printer Guide**
• **PCL Printer Driver Installation and Instructions**	**PCL Driver Guide**
• **PS Printer Driver Installation and Instructions**	**PS Driver Guide**
• **Mac OS X PS Printer Driver Installation and Instructions**	**Mac PS Driver Guide**

- **UFR Printer Driver Installation and Instructions**

UFR Driver Guide

- **Fax Driver Installation and Instructions**

Fax Driver Guide

- To view the manual in PDF format, Adobe Reader/Acrobat Reader/Acrobat is required. If Adobe Reader/Acrobat Reader/Acrobat is not installed on your system, please download it from the Adobe Systems Incorporated website (http://www.adobe.com).
- The machine illustration on the cover may differ slightly from your machine.

How This Manual Is Organized

Chapter 1 **Before You Start Using This Machine**

Chapter 2 **Printer Settings Menu**

Chapter 3 **Report Settings Menu**

Chapter 4 **Troubleshooting**

Chapter 5 **Appendix**

Includes the available font lists, configuration page sample, specifications, and index.

Considerable effort has been made to ensure that this manual is free of inaccuracies and omissions. However, as we are constantly improving our products, if you need an exact specification, please contact Canon.

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Preface

Thank you for purchasing this Canon product. Please read this manual thoroughly before operating the machine in order to familiarize yourself with its capabilities, and to make the most of its many functions. After reading this manual, store it in a safe place for future reference.

How to Use This Manual

Symbols Used in This Manual

The following symbols are used in this manual to explain procedures, restrictions, handling precautions, and instructions that should be observed for safety.

IMPORTANT	Indicates operational requirements and restrictions. Be sure to read these items carefully in order to operate the machine correctly, and to avoid damage to the machine.
NOTE	Indicates a clarification of an operation, or contains additional explanations for a procedure. Reading these notes is highly recommended.

Keys Used in This Manual

The following symbols and key names are a few examples of how keys to be pressed are expressed in this manual:

- Touch Panel display Keys: [Key Name]

  Examples: [Cancel]

  [Done]

- Control Panel Keys: <Key icon> + (Key Name)

  Examples: (Start)

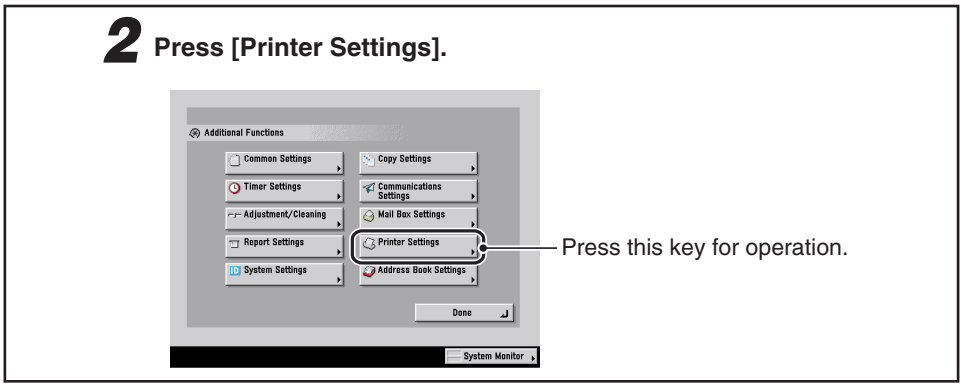
  (Stop)

Displays Used in This Manual

Screen shots of the touch panel display used in this manual may differ from the ones you actually see, depending on the options that come with your machine. Note that functions that cannot be used depending on the model or options, are not displayed on the touch panel display.

The keys which you should press are marked with a ⬭ , as shown below.

When multiple keys can be pressed on the touch panel display, all keys are marked. Select the keys which suit your needs.



Illustrations Used in This Manual

Illustrations of the machine used in this manual may not represent exact appearance and configuration of the actual machine.

Abbreviations Used in This Manual

In this manual, product names and model names are abbreviated as follows:

Microsoft® Windows® operating system is referred to as Windows.

PostScript® 3 emulation is referred to as PS.

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Before You Start Using This Machine

1
CHAPTER

This chapter describes how to set up the printing environment from the touch panel display.

Menu Functions 1-2
What Are Menu Functions? 1-2
Additional Functions Screen 1-3
Accessing the Menus 1-4
Using the Printer Settings Menu 1-6
Using the Report Settings Menu 1-10

Menu Functions

This section describes the menu functions and how to access them with the touch panel display.

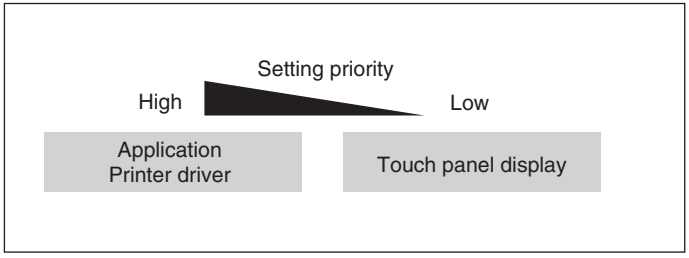
What Are Menu Functions?

The machine lets you specify settings, such as the number of copies and the paper size, to use when it receives a print job. These types of settings can be specified by the application sending the print job, or by the printer driver.

You can specify many settings which affect the printer function of the machine. These include some settings that cannot be specified remotely from an application or from the printer driver. These settings are referred to as "Menu Functions."

The menu functions are set using the keys on the touch panel display and are grouped together according to the type of settings, which makes them easy to set.

When the same menu function setting can be specified by using the keys on the machine or by specifying the setting in an application or the printer driver, the setting from the application or printer driver has priority. These settings will override the settings made on the machine.



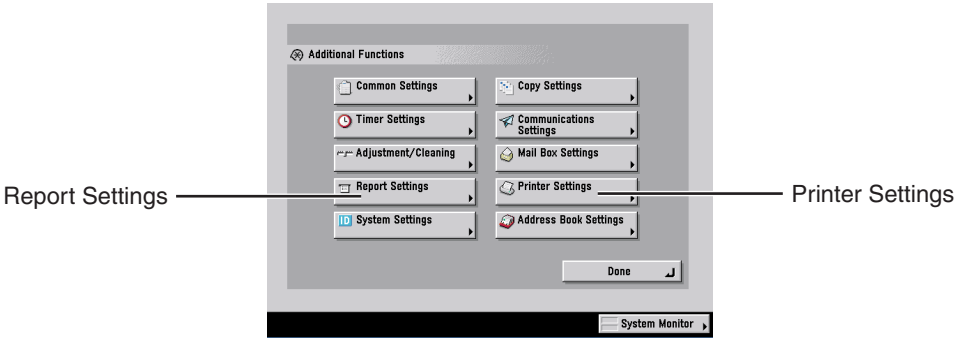
The printer driver is included on the CD-ROM provided with the machine. For instructions on installing the printer driver, see Chapter 2, "Installing Software," in the *Network Quick Start Guide*.

NOTE

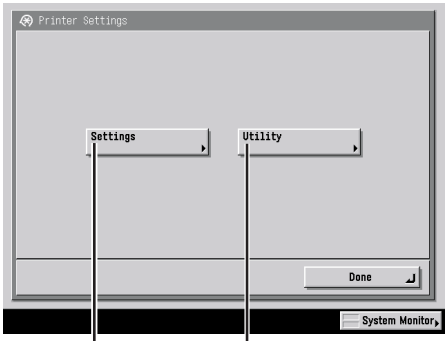
The contents of the Printer Settings are stored in the nonvolatile memory of the machine. This means that the settings are stored even if the power to the machine is switched OFF, and therefore the settings will still be available when the power is switched ON again.

Additional Functions Screen

Press (Additional Functions) to open the Additional Functions screen. The Printer Settings or the Report Settings can be accessed from this screen.



In the Additional Functions screen, press [Printer Settings] to open the Custom Printing Settings menu.



Utility
Press this key to open the Utility menu, for initializing the printer.

Settings
Press this key to open the Settings menu.

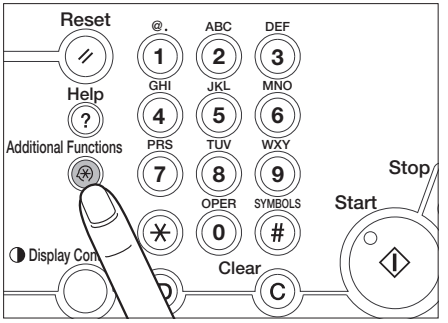
Accessing the Menus

To access the printer-related menu functions, display the Printer Settings screen on the touch panel display and use the keys on the display to specify the settings.

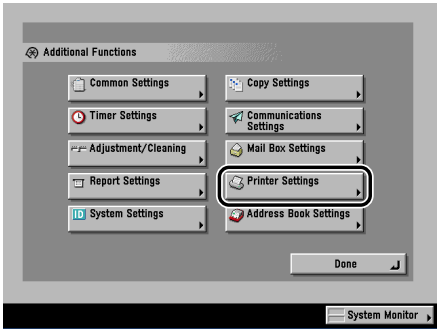
IMPORTANT

You can access menus and modify settings while print jobs are waiting in the queue. However, any new settings will only affect print jobs sent to the queue after the modifications were made.

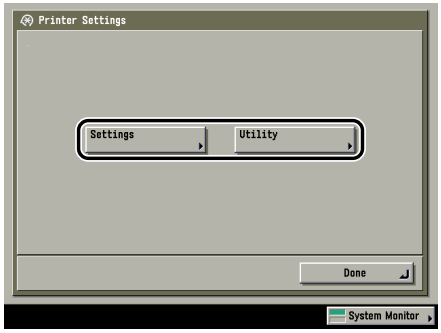
1 Press (Additional Functions).



2 Press [Printer Settings].



3 Select [Settings] or [Utility] to access the corresponding menu.



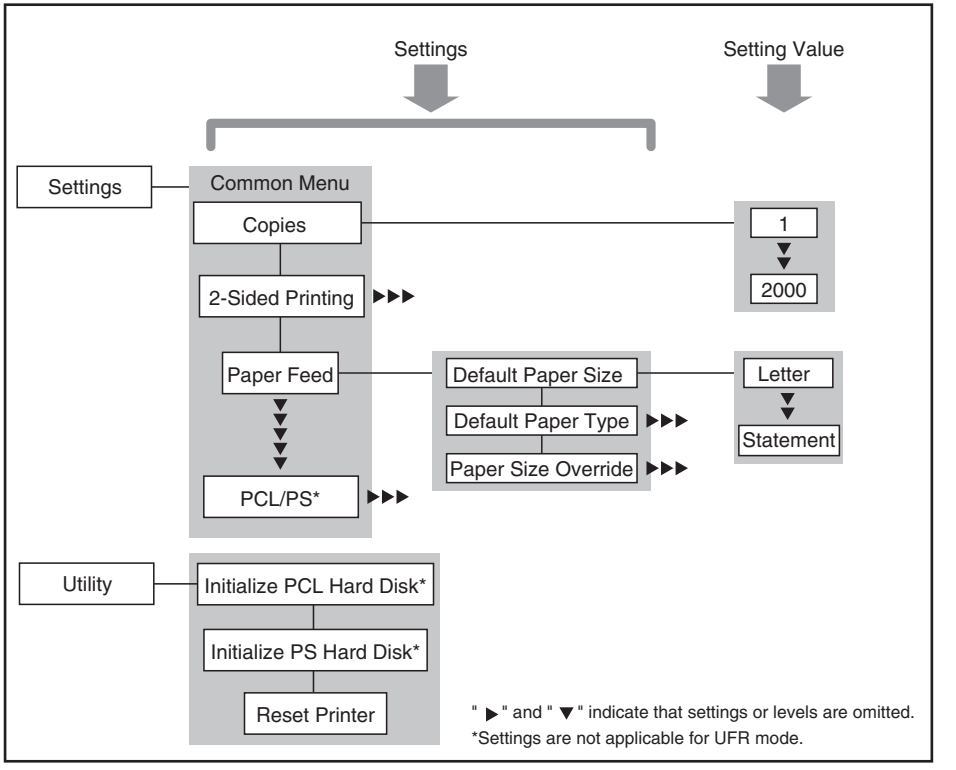
The Settings menu provides access to common settings, such as number of copies, error handling, and toner density.

The Utility menu provides access to the reset printer function.

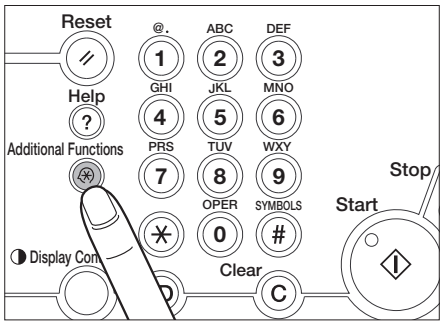
Using the Printer Settings Menu

The Printer Settings menu enables you to access common features. Below is an abbreviated outline of the Printer Settings menu structure. For a detailed description of all Printer Settings menu options, see Chapter 2, "Printer Settings Menu."

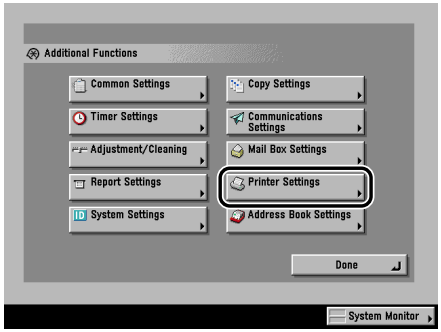
As an example, the sequence of steps for setting the default number of copies is shown on the following pages.



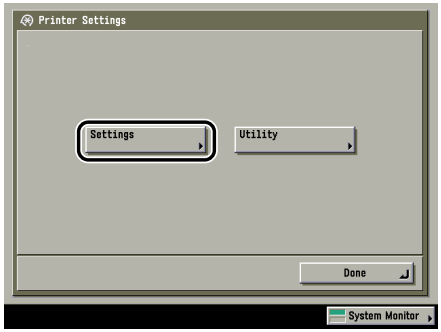
1 Press (Additional Functions).



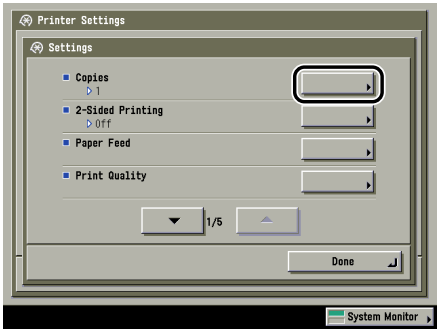
2 Press [Printer Settings].



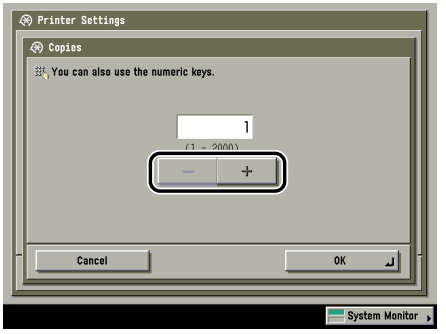
3 Press [Settings].



4 Press [Copies].



5 Press [-] or [+] to enter the number of copies.

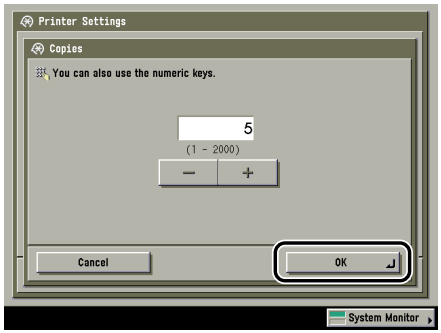


You can also use 0 - 9 (numeric keys) to enter the value, and C (Clear) to clear your entry.

You can change the value by pressing [-] or [+], even if you have entered the value using 0 - 9 (numeric keys).

If you enter a value outside the setting range, a message prompting you to enter an appropriate value appears on the screen.

6 Confirm the setting → press [OK].



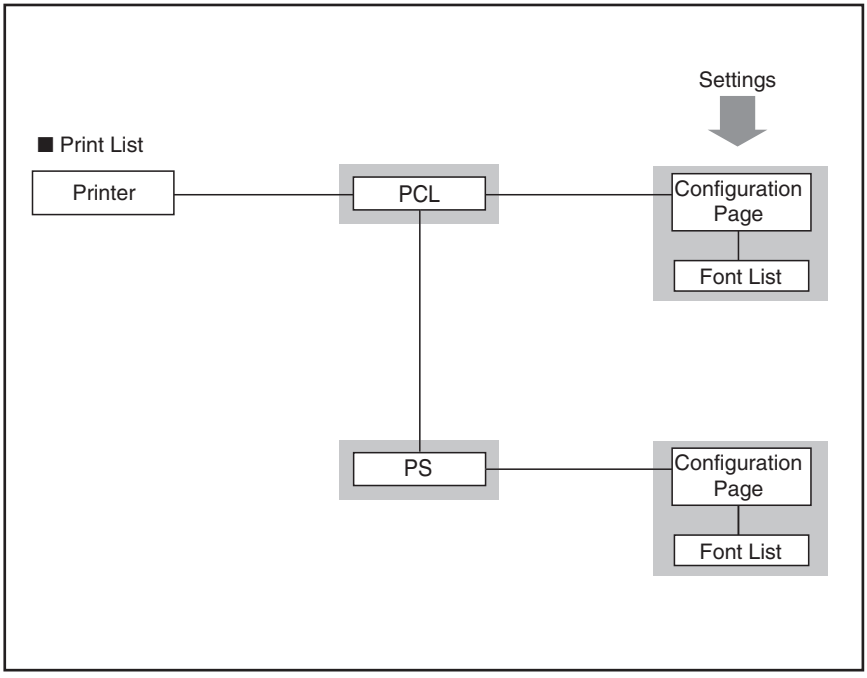
Using the Report Settings Menu

The Report Settings menu enables you to access report print features, such as checking the configuration. Below is an abbreviated outline of the Report Settings menu structure. For a detailed description of Report Settings menu options, see Chapter 3, "Report Settings Menu."

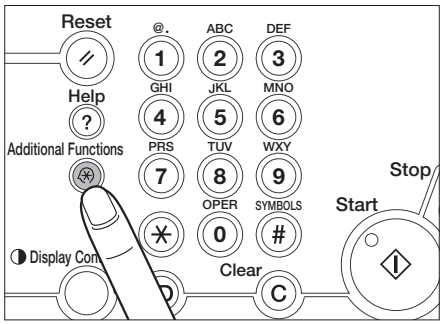
As an example, the sequence of steps for printing a Configuration Page is shown on the following pages.

NOTE

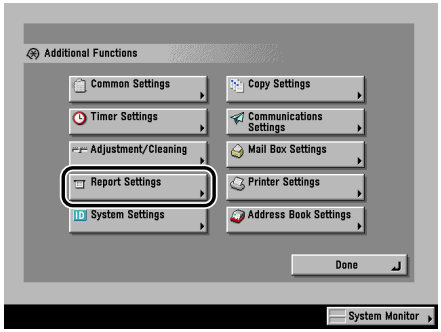
The Report Settings menu is not applicable for UFR mode.



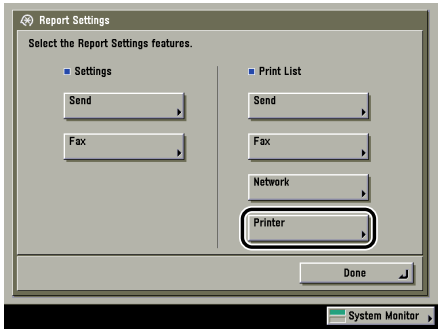
1 Press (Additional Functions).



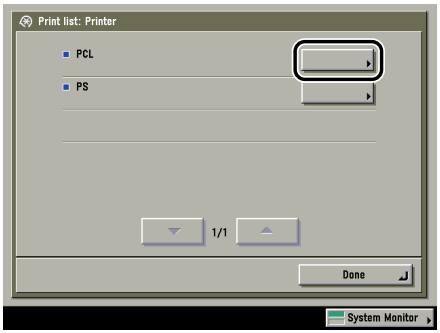
2 Press [Report Settings].



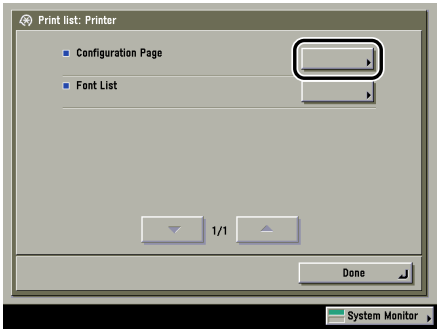
3 Press [Printer] under <Print List>.



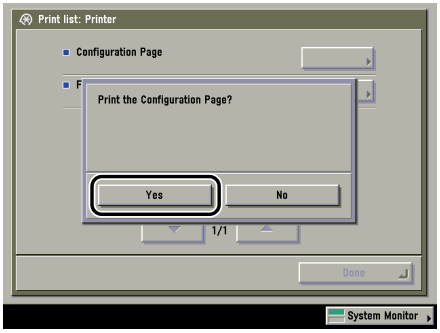
4 Press [PCL].



5 Press [Configuration Page].



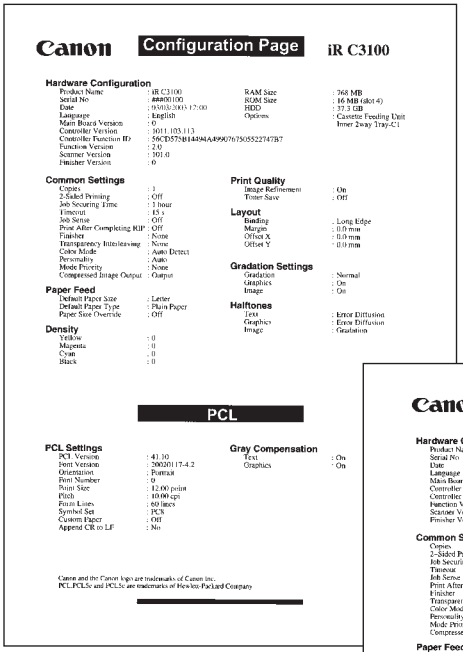
6 Press [Yes] to print the page.



If you do not want to print the configuration page, press [No].

If the printer function is working correctly, the Configuration Page will be similar to the sample below.

PCL Configuration Page



Canon Configuration Page iR C3100

Hardware Configuration

Product Name	: iR C3100	RAM Size	: 768 MB
Serial No	: ######0100	ROM Size	: 16 MB (slot 4)
Date	: 04/01/2003 17:00	HDD	: 37.3 GB
Language	: English	Options	: Cassette Feeding Unit Inner 2way Tray-C1
Main Board Version	: 0		
Controller Version	: 3011.103.113		
Controller Function ID	: 56CD575B14494A4990767505522747B7		
Function Version	: 2.0		
Scanner Version	: 101.0		
Finisher Version	: 0		

Common Settings

Copies	: 1
2-Sided Printing	: Off
Job Securing Time	: 1 hour
Timeout	: 15 s
Job Sense	: Off
Print After Completing RIP	: Off
Finisher	: None
Transparency Interleaving	: None
Color Mode	: Auto Detect
Personality	: Auto
Mode Priority	: None
Compressed Image Output	: Output

Paper Feed

Default Paper Size	: Letter
Default Paper Type	: Plain Paper
Paper Size Override	: Off

Density

Yellow	: 0
Magenta	: 0
Cyan	: 0
Black	: 0

Print Quality

Image Refinement	: On
Toner Save	: Off

Layout

Binding	: Long Edge
Margin	: 0.0 mm
Offset X	: 0.0 mm
Offset Y	: 0.0 mm

Gradation Settings

Gradation	: Normal
Graphics	: On
Image	: On

Halftones

Text	: Error Diffusion
Graphics	: Error Diffusion
Image	: Gradation

PCL

PCL Settings

PCL Version	: 41.30
Font Version	: 2002017-4-2
Orientation	: Portrait
Font Number	: 0
Point Size	: 12.00 point
Pitch	: 10.00 cpi
Form Lines	: 60 lines
Symbol Set	: PC8
Custom Paper	: Off
Append CR to LF	: No

Gray Compensation

Text	: On
Graphics	: On

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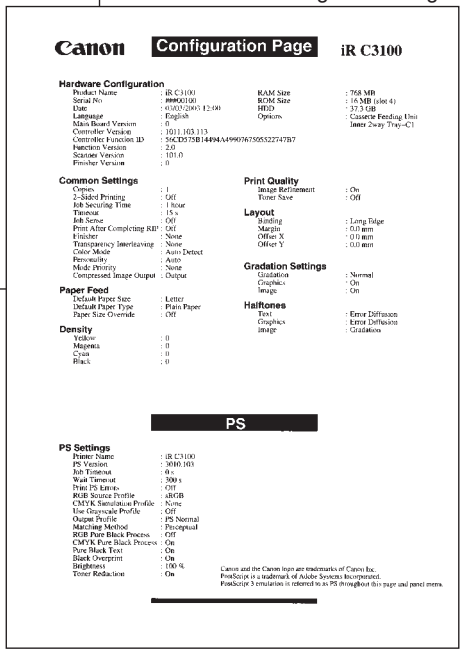
PS Configuration Page



Canon Configuration Page iR C3100

Hardware Configuration

Product Name	: iR C3100	RAM Size	: 768 MB
Serial No	: ######0100	ROM Size	: 16 MB (slot 4)
Date	: 03/07/2005 12:00	HDD	: 37.3 GB
Language	: English	Options	: Cassette Feeding Unit Inner 2way Tray-C1
Main Board Version	: 0		
Controller Version	: 3011.103.113		
Controller Function ID	: 56CD575B14494A4990767505522747B7		
Function Version	: 2.0		
Scanner Version	: 101.0		
Finisher Version	: 0		

Common Settings

Copies	: 1
2-Sided Printing	: Off
Job Securing Time	: 1 hour
Timeout	: 15 s
Job Sense	: Off
Print After Completing RIP	: Off
Finisher	: None
Transparency Interleaving	: None
Color Mode	: Auto Detect
Personality	: Auto
Mode Priority	: None
Compressed Image Output	: Output

Paper Feed

Default Paper Size	: Letter
Default Paper Type	: Plain Paper
Paper Size Override	: Off

Density

Yellow	: 0
Magenta	: 0
Cyan	: 0
Black	: 0

Print Quality

Image Refinement	: On
Toner Save	: Off

Layout

Binding	: Long Edge
Margin	: 0.0 mm
Offset X	: 0.0 mm
Offset Y	: 0.0 mm

Gradation Settings

Gradation	: Normal
Graphics	: On
Image	: On

Halftones

Text	: Error Diffusion
Graphics	: Error Diffusion
Image	: Gradation

PS

PS Settings

Printer Name	: iR C3100
PS Version	: 3010.103
Job Timeout	: 0 s
Wait Timeout	: 300 s
Print PS Errors	: Off
RGB Source Profile	: sRGB
CMYK Simulation Profile	: None
Use Grayscale Profile	: Off
Output Profile	: PS Normal
Matching Method	: Perceptual
RGB Pure Black Process	: Off
CMYK Pure Black Process	: On
Pure Black Text	: On
Black Overprint	: On
Brightness	: 100 %
Toner Reduction	: On

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PostScript 3 emulation is referred to as PS throughout this page and panel menu.

Printer Settings Menu

CHAPTER 2

This chapter describes how to use the Printer Settings menu and its submenus.

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An Overview of Printer Settings

The following table lists all settings of the Printer Settings menu.

■ Settings Menu

Item	Settings	Applicable Page
Copies	1 to 2000; 1*	p. 2-6
2-Sided Printing	On, Off*	p. 2-6
Paper Feed		
Default Paper Size	Letter*, Legal, A4, A3, A5, 11 x 17, Executive, Statement, Envelope Monarch, Envelope COM10, Envelope ISO-B5, Envelope ISO-C5, Envelope DL, Envelope Y4, 12_5/8 x 17_11/16, 12 x 18	p. 2-7
Default Paper Type	Plain Paper*, Transparency, Heavy Paper, Recycled Paper, Color Paper, Ltrhead (plain), Ltrhead (heavy), Tracing Paper, Labels, Pre-punched, Envelope	p. 2-8
Paper Size Override	On, Off*	p. 2-9
Print Quality		
Image Refinement	On*, Off	p. 2-9
Density*1 •Yellow •Magenta •Cyan •Black	 -8 to +8; 0* -8 to +8; 0* -8 to +8; 0* -8 to +8; 0*	p. 2-10
Toner Save	On, Off*	p. 2-10
Layout		
Binding	Long Edge*, Short Edge	p. 2-11
Margin	-1.20 to +1.20 inch; 0.0* inch	p. 2-12
Offset X	-2.00 to +2.00 inch; 0.0* inch	p. 2-14
Offset Y	-2.00 to +2.00 inch; 0.0* inch	p. 2-14
Job Securing Time	1 hour*, 2 hours, 3 hours, 6 hours, 12 hours, 24 hours	p. 2-15

Item	Settings	Applicable Page
Timeout	Timeout (5 to 300 seconds), Off; 15* seconds	p. 2-15
Print After Completing RIP	On, Off*	p. 2-16
Finisher	None*, Collating, Rotate Collating, Rotate Grouping, Offset Collating, Offset Grouping, Staple Sort Staple position: Corner (Upper-L)*, Double (Top), Corner (Upper-R), Double (Right), Corner (Lower-R), Double (Bottom), Corner (Lower-L), Double (Left)	p. 2-17
Punch	None*, Top, Bottom, Left, Right	p. 2-21
Transparency Interleaving	None*, Blank, Printed	p. 2-21
Personality[*2]	Auto*, PS, PCL	p. 2-22
Mode Priority[*2]	None*, PS, PCL	p. 2-22
Color Mode	Auto Detect*, Full Color, Black and White	p. 2-23
Gradation Settings		
Gradation	Normal*, Smooth 1, Smooth 2	p. 2-24
Graphics[*3]	On*, Off	p. 2-24
Image[*3]	On*, Off	p. 2-24
Halftones		
Text	Resolution, Gradation, Error Diffusion*	p. 2-25
Graphics	Resolution, Gradation*, Error Diffusion	p. 2-25
Image	Resolution, Gradation*, Error Diffusion	p. 2-25
Compressed Image Output	Output*, Display Error	p. 2-26
Initialize	-	p. 2-26

An asterisk (*) indicates the default setting.

*1 The menu will not be displayed when Toner Save is set to 'On'.

*2 Settings are not applicable when printing in UFR mode.

*3 The menus will not be displayed when Gradation is set to 'Normal'.

■ PCL/PS Settings*1

Item	Settings	Applicable Page
PCL		

Item	Settings	Applicable Page
Orientation	Portrait*, Landscape	p. 2-27
Font Number	0 to 120; 0*	p. 2-27
Point Size	4.00 to 999.75 point; 12.00* point	p. 2-28
Pitch	0.44 to 99.99 cpi; 10.00* cpi	p. 2-28
Form Lines	5 to 128 lines; 60* lines	p. 2-28
Symbol Set	DESKTOP, ISO4, ISO6, ISO11, ISO15, ISO17, ISO21, ISO60, ISO69, ISOL1, ISOL2, ISOL5, ISOL6, LEGAL, MATH8, MCTEXT, MSPUBL, PC775, PC8*, PC850, PC852, PC8DN, PC8TK, PC1004, PIFONT, PSMATH, PSTEXT, ROMAN8, VNINTL, VNMATH, VNUS, WIN30, WINBALT, WINL1, WINL2, WINL5	p. 2-28
Custom Paper	On, Off*	p. 2-28
Unit of Measure*2	Millimeters, Inches*	p. 2-29
X Dimension*2	5.51 to 17.99 inches; 17.99* inches	p. 2-29
Y Dimension*2	3.90 to 12.13 inches; 12.13* inches	p. 2-29
Append CR to LF	Yes, No*	p. 2-30
Gray Compensation		
Text	On*, Off	p. 2-31
Graphics	On*, Off	p. 2-31
PS		
Job Timeout	0 to 3600 seconds; 0* seconds	p. 2-32
Wait Timeout	0 to 3600 seconds; 300* seconds	p. 2-32
Print PS Errors	On, Off*	p. 2-32
RGB Source Profile	sRGB*, Gamma 1.5, Gamma 1.8, Gamma 2.4, None, Download Profile	p. 2-32
CMYK Simulation Profile	JapanColor(Canon), US Web Ctd(Canon), Euro Standard, None*, Download Profile	p. 2-33
Use Grayscale Profile	On, Off*	p. 2-35
Output Profile	PS Normal, PS Photo, PS TR Normal*, PS TR Photo, Download Profile	p. 2-35
Matching Method	Perceptual*, Saturation, Colorimetric	p. 2-36
RGB Pure Black Process	On*, Off	p. 2-37

Item	Settings	Applicable Page
CMYK Pure Black Process	On*, Off	p. 2-37
Pure Black Text	On*, Off	p. 2-38
Black Overprint	On*, Off	p. 2-39
Brightness*3	85 to 115%; 100%*	p. 2-39

An asterisk (*) indicates the default setting.

*1 Settings are not applicable for UFR mode.

*2 The menus will not be displayed when Custom Paper is set to 'Off'.

*3 The menu will not be displayed when Toner Save is set to 'On'.

■ Utility Menu

Item	Settings	Applicable Page
Initialize PCL Hard Disk*1	-	p. 2-40
Initialize PS Hard Disk*1	-	p. 2-40
Reset Printer	-	p. 2-41

*1 Settings are not applicable for UFR mode.

Settings Menu

Copies

1 to 2000; 1*

This setting enables you to specify the number of copies printed. The default setting is '1', but you can specify up to 2000 copies.

2-Sided Printing

On, Off*

This parameter selects one-sided or two-sided printing. When 2-Sided Printing is specified, the document is printed on both sides of the paper.

NOTE

- Two-sided printing can use either the paper drawer or the stack bypass in sizes of 12" x 18", 11" x 17", 12_5/8" x 17_11/16", LGL, LTR, LTRR, STMT, STMTR, EXEC, A3, JIS-B4, A4, A4R, JIS-B5, JIS-B5R, A5, and A5R.
- Two-sided printing can use paper within the following range.
  - 17 lb bond to 28 lb bond (64 to 105 g/m^2)
- When printing on letterhead paper, or paper with a logo (such as a cover sheet), please note the following points:
  - If the paper is fed from an internal paper drawer, the print surface of the first page should be face down.
  - If the paper is fed from the stack bypass or the optional paper deck, the print surface of the first page should be face up.

Paper Feed

■ Default Paper Size

Letter*, Legal, A4, A3, A5, 11" x 17", Executive, Statement, Envelope Monarch, Envelope COM10, Envelope ISO-B5, Envelope ISO-C5, Envelope DL, Envelope Y4, 12_5/8" x 17_11/16", and 12" x 18"

This parameter defines the default paper size used when the paper size cannot be set within the application software, when no paper source is specified.

IMPORTANT

If you are printing from an OS that does not have a printer driver for the machine (MS-DOS, UNIX, etc.), make sure that the paper loaded in the paper drawer matches the paper size specified in this setting. If the paper size specified in this setting is not available, an error message is displayed when the machine tries to print the job and the machine stops. In addition, if a paper source has not been selected through the application, the machine automatically selects the default print settings for the paper size and type. See Chapter 4, "Customizing Settings," in the *Reference Guide*.

■ Default Paper Type

Plain Paper*, Transparency, Heavy Paper, Recycled Paper, Color Paper, Ltrhead (plain), Ltrhead (heavy), Tracing Paper, Labels, Pre-punched, and Envelope

This parameter sets the default paper type to be used for print jobs. This machine has internally defined optimal print modes for each specified paper type.

IMPORTANT

If you are printing from an OS that does not have a printer driver for the machine (MS-DOS, UNIX, etc.), make sure that the paper loaded in the paper drawer matches the paper type specified in this setting. If the paper type specified in this setting is not available, an error message is displayed when the machine tries to print the job, and the machine stops. In addition, if a paper source has not been selected through the application, the machine automatically selects the default print settings for the paper type and size. See Chapter 4, "Customizing Settings," in the *Reference Guide*.

NOTE

- Use the following figures as a guideline to decide whether paper should be specified as Plain Paper or Heavy Paper.
  - Plain Paper: 17 to 28 lb bond (64 to 105 g/m^2)
  - Heavy Paper: 28 lb bond to 90 lb index (106 to 163 g/m^2)
- Canon transparency film is recommended for printing on transparencies.
- Canon label paper is recommended for printing on labels.
- Heavy Paper, Transparency, Ltrhead (heavy), Tracing Paper, Labels, and Envelope cannot be printed using two-sided printing.

■ Paper Size Override

On, Off*

If paper of the size that is set in the printer driver has not been loaded in the paper drawer, the paper that is printed is changed to the following sizes.

Printer Driver Setting	Paper
Letter	A4
A4	Letter
11" x 17"	A3
A3	11" x 17"

If [On] is selected, the paper size is changed.

If [Off] is selected, the paper supply message is displayed and the paper size is not changed.

NOTE

The paper size does not change if there is no paper in the cassette of the size that is set in the printer driver, even if Paper Size Override is set to 'On'.

Print Quality

■ Image Refinement

On*, Off

This setting smooths the jagged outlines of characters and graphics.

If [On] is selected, smoothing is performed before printing.

If [Off] is selected, jobs are printed without being smoothed.

NOTE

The results of image refinement may be different depending on the types of characters and graphics you want to print.

■ Density

Yellow: -8 to 8; 0*
Magenta: -8 to 8; 0*
Cyan: -8 to 8; 0*
Black: -8 to 8; 0*

This setting adjusts the print density of the respective colors.

Pressing [Dark] makes the print image darker, pressing [Light] makes the image lighter. This setting has 17 levels you can adjust, with level '0' (middle level) being the default setting.

NOTE

This function is not available if the Toner Save option is set to 'On'.

■ Toner Save

On, Off*

This setting determines whether Toner Save is enabled. Toner Save uses less toner to print documents and may result in longer toner life.

NOTE

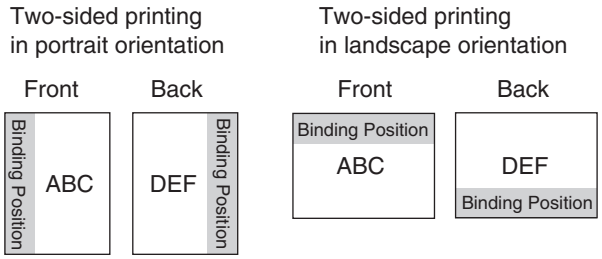
If [On] is selected for Toner Save, very light or finely detailed images may not be printed clearly.

■ Binding

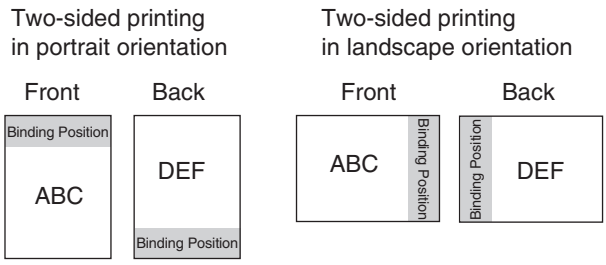
Long Edge*, Short Edge

This parameter determines whether the binding position is along the long edge or the short edge of the paper. When binding for two-sided printing, the image orientation is automatically adjusted for correct layout.

When the binding position is on the long edge of the paper:



When the binding position is on the short edge of the paper:



NOTE

- You cannot create a binding margin with this setting alone. Use this setting in combination with the Margin setting to create a binding margin.
- For two-sided printing, the orientation of the back image may be changed by this setting.

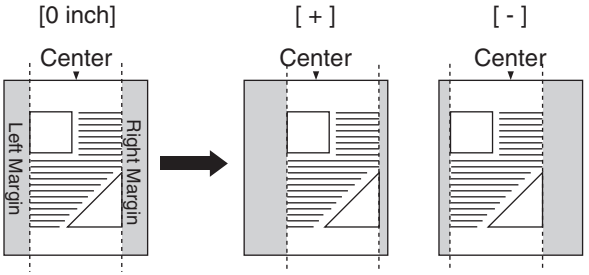
■ Margin

-1.20 to +1.20 inch (in increments of 0.01 inch); 0.0* inch

This setting sets the page margin in inches. The settings can be set between -1.20" (-30.0 mm) and +1.20" (+30.0 mm) in increments of 0.01" (0.5 mm).

Use [▲] to increase the width of the inside margin.

Use [▼] to increase the width of the outside margin.



You can specify the edge along which the margin will be created in the Binding setting (previous setting). To create a margin along one of the edges of the paper, use this setting in combination with the Binding setting.

IMPORTANT

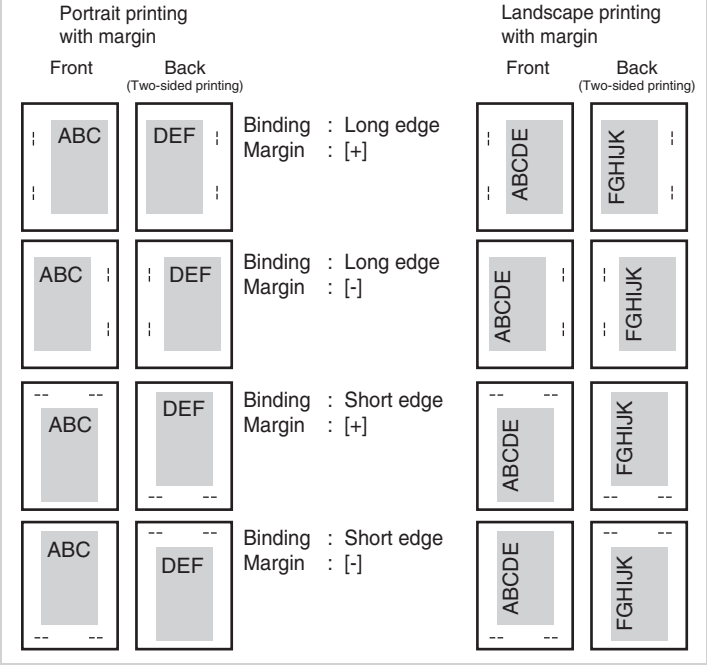
If this setting moves the image outside the printable area, part of the image may be cut off.

NOTE

- If this setting is used in combination with the Offset X/Offset Y setting, the values of the two settings are added together.
- Pressing [▲] increases the setting value by 0.01" (0.5 mm) each time the key is pressed. Pressing [▼] decreases the value by 0.01" (0.5 mm) each time. Holding down either [▲] or [▼] continuously speeds up the value alteration.

Binding and Margin Settings

Refer to the figures below to set binding and margins.



Set the paper orientation in the application you are using.

■ Offset X/Offset Y

-2.00 to +2.00 inch (in increments of 0.01 inch); 0.0* inch

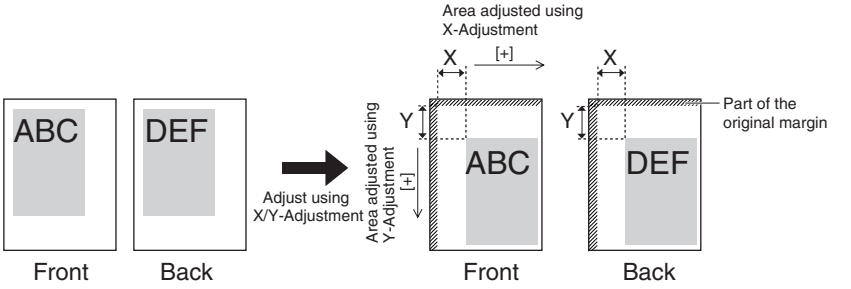
This setting sets the offset position in inches. The settings can be set between -2.00" (-50.0 mm) and +2.00" (+50.0 mm) in increments of 0.01" (0.5 mm).

The print position is adjusted in the vertical or horizontal direction to the value specified in the setting value.

You can increase or decrease the setting in increments of 0.01" (0.5 mm) to adjust the print position, as described below.

Offset X: Increasing the setting value moves the image in the rightward X direction on the paper. Decreasing the setting value moves the image in the leftward X direction on the paper.

Offset Y: Increasing the setting value moves the image in the downward Y direction on the paper. Decreasing the setting value moves the image in the upward Y direction on the paper.



IMPORTANT

Please note that if the print position is adjusted to place print data outside the valid print area, the portion outside the valid print area is not printed.

NOTE

- If this setting is used in combination with the Margin setting, the values of the two settings are added together.
- Pressing [▲] increases the setting value by 0.01" (0.5 mm) each time the key is pressed. Pressing [▼] decreases the value by 0.01" (0.5 mm) each time. Holding down either [▲] or [▼] continuously speeds up the value alteration.

Job Securing Time

1 hour*, 2 hours, 3 hours, 6 hours, 12 hours, and 24 hours

When a secured print job is sent to the machine, it is stored on the machine's hard disk, and a password must be entered before the job can be printed. This setting specifies how long the job will be stored before it is automatically canceled.

NOTE

- Even if the time period specified with this setting has not elapsed, the print job data is deleted if the main power to the machine is switched OFF.
- The password is set from the printer driver.

Timeout

Timeout (5 to 300 seconds), Off; 15* seconds

When the Personality is set to 'Auto', the machine detects the control commands and starts printing in the appropriate mode. After all the data has been received and the end of the data is detected, the print mode stops. This processing of print data is called a job.

If the data for a job does not end, the machine does not start the next job even if it receives other print commands. In cases like this, use the Timeout setting to force jobs to finish if no data is received during the set period of time.

If Timeout is 'On', jobs can finish automatically. For example, if print data still remains in the machine because a form feed command cannot be processed, the paper can be fed automatically.

If Timeout is 'Off', jobs will not end automatically.

IMPORTANT

- If this function is set so that a job will timeout, the machine may end a print job before all the data has been received if it takes a long time for the PC to send the data. If this occurs, adjust the length of the Timeout setting.
- If [Off] is selected, you will not be able to make copies until print jobs that use the staple sort and punch settings have been completed.
- If you send data from a printer driver not compatible with the machine, and the end of job command is not received within the time set in this setting, the machine cancels the job, which may cause the data to be printed incorrectly.

NOTE

When a job is being processed, the Processing/Data Indicator on the control panel flashes.

Print After Completing RIP

On, Off*

Sets whether to use the Print After Completing RIP function.

RIP is Raster Image Processor, used for advanced graphical representation.

If Print After Completing RIP is enabled, the first page is printed after all the pages in the job have been processed.

Although it may take longer to print the first page, the remaining pages in the job will be printed more quickly. This is useful when several people are using the machine or when using another function, such as the Copy function, because the printing time for a print job is reduced.

IMPORTANT

Please note that the memory of the machine can store up to 3,700 pages. When you send a secured document to be stored in the memory to be printed at a later time, and the memory is full (already reached its maximum capacity), your document will not be stored. The memory may be full because the machine is being used for other functions (such as storing a document in an inbox or storing a form) or other jobs, which use memory space.

None*, Collating, Rotate Collating, Rotate Grouping, Offset Collating, Offset Grouping, and Staple Sort
Staple Position:
Corner (Upper-Left)*, Double (Top), Corner (Upper-Right), Double (Right), Corner (Lower-Right), Double (Bottom), Corner (Lower-Left), and Double (Left)

Some of the above options require specific delivery trays and may not be available unless appropriate delivery trays are installed:

✓: Available
✗: Unavailable

	No Options	Inner 2Way Tray-C1, Copy Tray Unit-J1	Finisher-P1	Finisher-Q1, Saddle Finisher-Q2
Collating	✓	✓	✓	✓
Rotate Collating	✓	✓	✗	✗
Rotate Grouping	✓	✓	✗	✗
Offset Collating	✗	✗	✓	✓
Offset Grouping	✗	✗	✓	✓
Staple Sort	✗	✗	✓	✓

You can choose from several features when collating printed matter.

None

This setting prints all copies of the same page before printing the next page.

Collating

This setting prints all pages of each copy before printing the next copy.

Rotate Collating

This setting prints all pages of each copy (collating), and rotates every other complete copy 90 degrees to indicate where each copy starts.

Rotate Grouping

This setting prints all copies of the same page before printing the next page. It rotates every other complete set of pages to indicate where each new set starts.

Offset Collating

This setting prints all pages of each copy (collating), and offsets every other complete copy to indicate where each copy starts.

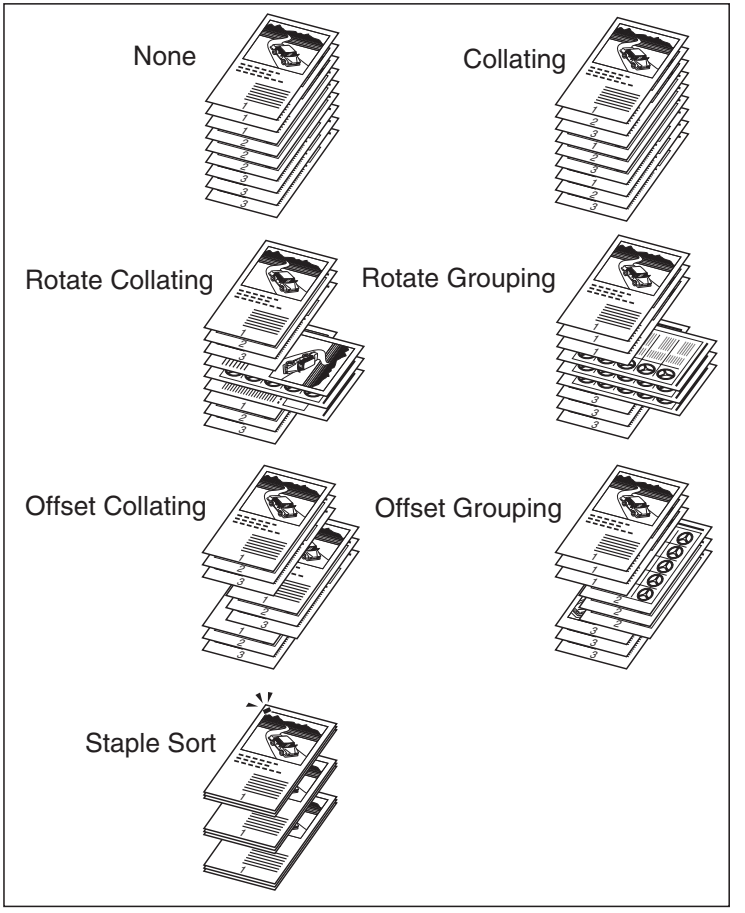
Offset Grouping

This setting prints all copies of the same page before printing the next page. It offsets every other complete set of pages to indicate where each new set starts.

Staple Sort

This setting prints all pages of each copy (collating) and prepares them for stapling according to the option selected for Staple Sort.

Examples of each Finisher option when printing three copies of a three page document:

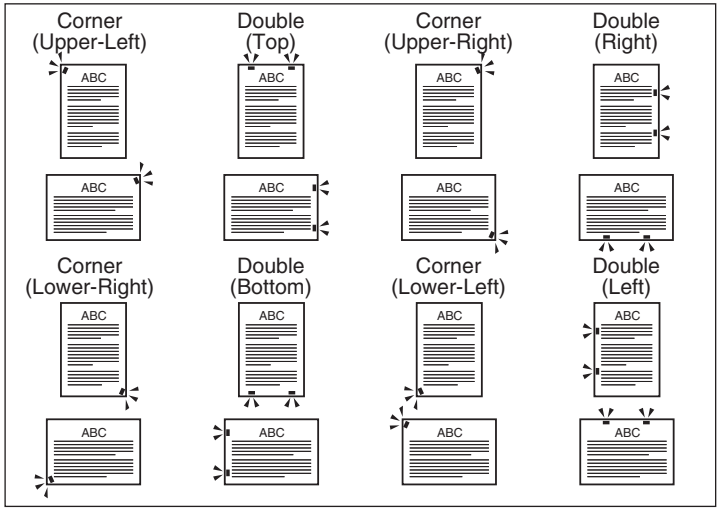


IMPORTANT

Please note that the memory of the machine can store up to 3,700 pages. When you send a secured document to be stored in the memory to be printed at a later time, and the memory is full (already reached its maximum capacity), your document will not be stored. The memory may be full because the machine is being used for other functions (such as storing a document in an inbox or storing a form) or other jobs, which use memory space.

NOTE

- Rotate Collating and Rotate Grouping are available for selection if the paper size is A4, A4R, JIS-B5, JIS-B5R, LTR, or LTRR.
- If [Rotate Collating] or [Rotate Grouping] is selected, part of the print image may be cut off when the image is rotated. You need to load the same size paper as the original in the paper cassettes in both landscape and portrait positions. If you do not, all the sheets will be printed in the orientation that the loaded paper is in.
- Offset Grouping and Offset Collating are available for selection in combination with the following optional units and paper sizes.
  - If the Finisher-P1 is attached : 11" x 17", LGL, LTR, LTRR, STMT, EXEC, A3, B4, A4, A4R, or JIS-B5.
  - If the Finisher-Q1 or Saddle Finisher-Q2 is attached : 11" x 17", LGL, LTR, LTRR, STMT, EXEC, A3, B4, A4, A4R, JIS-B5, or A5.
- When you select Staple Sort, you can select the stapling position.



- When you are stapling paper in landscape orientation, the image orientation and the staple position may not match.

- Staple Sort is available for selection if the paper size is 11" x 17", LGL, LTR, LTRR, EXEC, A3, B4, A4, A4R, or JIS-B5. Available staple locations depend on paper size and image orientation, as shown.

✓: Available
✗: Unavailable

Finisher-P1/Finisher-Q1/Saddle Finisher-Q2

Staple Position / Paper Size	Corner (Upper-Left)	Double (Top)	Corner (Upper-Right)	Double (Right)	Corner (Lower-Right)	Double (Bottom)	Corner (Lower-Left)	Double (Left)	Capacity (Sheets)
11" × 17"	✓	✓	✓	✗	✓	✓	✓	✗	30
LGL	✓	✗	✓	✗	✓	✗	✓	✗	30
LTR	✓	✗	✓	✓	✓	✗	✓	✓	50
LTRR	✓	✗	✓*	✗	✓	✗	✓*	✗	50
EXEC	✓	✗	✓	✓	✓	✗	✓	✓	50
A3	✓	✓	✓	✗	✓	✓	✓	✗	30
B4	✓	✓	✓	✗	✓	✓	✓	✗	30
A4	✓	✗	✓	✓	✓	✗	✓	✓	50
A4R	✓	✗	✓*	✗	✓	✗	✓*	✗	50
JIS-B5	✓	✗	✓	✓	✓	✗	✓	✓	50

* Will be stapled parallel to the edge of the paper.

- Make sure to select compatible settings when using Staple Sort and Punch simultaneously. If conflicting settings are selected, such as the staple setting for the right side of the paper and the punch setting for the left, the printer will use neither Staple Sort nor Punch.
- The maximum number of sheets that can be stapled is 30 for A3, B4, LGL, and 11" x 17", 50 for A4, A4R, JIS-B5, LTR, LTRR, and EXEC. If the number of sheets is greater than the limit, they will not be stapled.

Punch

None*, Top, Bottom, Left, Right

This setting enables you to specify the desired paper position for holes to be punched for binding (two or three holes).

NOTE

- This function can only be selected if the Finisher-Q1 or Saddle Finisher-Q2 is attached to the Puncher Unit-M1.
- Acceptable paper sizes for this option are 11" x 17", LGL, LTR, LTRR, A3, B4, A4, A4R, B5, and B5R.
- Make sure to select compatible settings when using Staple Sort and Punch simultaneously. If conflicting settings are selected, such as the staple setting for the right side of the paper and the punch setting for the left, the printer will use neither Staple Sort nor Punch.
- The machine automatically detects the size of the paper and punches two or three holes accordingly. (A3, A4, 11" x 17", and Letter papers are punched with three holes.)
- Holes cannot be punched in Transparency, Pre-punched, Tracing paper, Envelope, and Labels.

Transparency Interleaving

None*, Blank, and Printed

If you are printing on transparencies, you can use this setting to output a sheet of paper after each transparency. The paper can be blank, or it can be a paper copy of the transparency.

If [None] is selected, no sheets are interleaved with the transparencies.

If [Blank] is selected, a blank sheet of paper is inserted between each transparency.

If [Printed] is selected, a printed paper from the print job is inserted between each transparency.

NOTE

If [Printed] is selected, the paper printouts are included in the Prints count. However, if [Blank] is selected, they are not included in the Prints count.

Personality

Auto*, PS, and PCL

This setting enables the machine to process data received from the host computer in the specified data format. Setting the Personality to 'Auto' makes the machine determine the type of data received from the host on a job-by-job basis. If you are printing from applications on a computer, we recommend that you use the 'Auto' setting.

NOTE

- If you find that the machine does not correctly switch to the appropriate personality when Personality is set to 'Auto', change the setting manually to match the data you are sending from the host computer.
- This function is not available when printing in UFR mode.

Mode Priority

None*, PS, and PCL

This setting determines which printer command language should be used if a job is received without a specified command language. Mode Priority is used when the Personality setting is set to 'Auto'.

None

This does not specify a preferred personality. If a job is received without a specified command language, the current personality is used. The default setting is 'None'.

PS

This assigns priority to the PS personality.

PCL

This assigns priority to the PCL personality.

NOTE

This function is not available when printing in UFR mode.

Color Mode

Auto Detect*, Full Color, and Black and White

This setting enables you to set the color mode you want to specify when printing.

If [Auto Detect] or [Full Color] is selected, the machine automatically detects whether the page is reproduced using black (K) only or all 4 colors: cyan (C), magenta (M), yellow (Y), and black (K).

If [Black and White] is selected, data is printed in black (K) only, even if the original is in color.

NOTE

- If different color data is overlaid, the machine may not distinguish color from monochrome, even if [Auto Detect] or [Full Color] is selected. For example, although the printout looks monochrome, if different color data is overlaid, it is printed in full color mode, thereby using the color toner cartridges to print, not the black toner cartridge. Furthermore, if the data is created as color data in the application you are using, it is printed in full color mode, even though the data looks monochrome.
- If [None] is selected for the RGB Source Profile, and the machine receives a device-dependent color space definition that is color-processed by the host computer, gray data with the equivalent ratio of R to G to B is printed using black (K) only.

Gradation Settings

Gradation: Normal*, Smooth 1, and Smooth 2
Graphics: On*, Off
Image: On*, Off

Set this function when the gradation of graphics (illustrations made by software applications) or images (bitmap images) does not print smoothly (the color changes stand out).

Smooth 2 performs a smoother gradation than Smooth 1. If [Smooth 1] is selected and the gradation is still not printed smoothly, select [Smooth 2]. You can select whether to apply smoothing to graphics or image data.

'Normal'

'Smooth 2'

*The above gradation patterns are examples.

NOTE

- This setting does not apply to text data.
- If [Smooth 1] or [Smooth 2] is selected, and gradation is applied to halftones, graphics and images may appear grainy.
- Graphics and Image are only displayed when [Smooth 1] or [Smooth 2] is selected.

Halftones

Text: Resolution, Gradation, and Error Diffusion*
Graphics: Resolution, Gradation*, and Error Diffusion
Image: Resolution, Gradation*, and Error Diffusion

This setting specifies how you print halftones.

Halftoning is used to print each process color at a different intensity, allowing millions of different color to be reproduced using only the four process colors. Depending on the required intensity of a given color, toner is placed on paper in dots of different sizes. The grid of dots used for each toner color is called a screen. Halftone screens are aligned to unique angles designed to eliminate interference patterns called moiré (a shimmering, wavy effect) that can arise with halftoning.

If [Resolution] is selected, a dither pattern that gives priority to the resolution of the images is used. This helps eliminate the appearance of jagged or uneven lines along the edges of objects and is best for printing standard text and graphics.

If [Gradation] is selected, a dither pattern that gives priority to the appearance of smooth changes in tone is used. This is best for reproducing images with delicate gradations or changes of tone.

If [Error Diffusion] is selected, an error diffusion method that gives priority to printing fine lines or text is used. This is best for printing images with small text or very fine lines.

Resolution Gradation Error Diffusion

*The above dithering patterns are examples.

NOTE

A dither pattern creates the illusion of varying shades of gray or additional colors by treating areas of an image as groups of dots that are colored in different patterns.

Compressed Image Output

Output*, Display Error

This setting enables you to specify how the data should be treated if the data size of the print job is too large to be stored in the machine's internal memory.

If [Output] is selected, the data is highly compressed (so it is able to stored in the internal memory), and then the job is printed. However, the print quality may diminish.

If [Display Error] is selected, the job is canceled when the data size is too large.

NOTE

- Even if [Output] is selected and the data is highly compressed, the data may still be too large to be stored in the machine's internal memory. In this case, the job is canceled and an error is logged in the Print Log. (See Chapter 5, "Checking Job and Device Status," in the *Reference Guide*.)

Initialize

-

The menu settings can be reset to the factory defaults by initializing the printer settings.

If you select Initialize, the confirmation message <Is it OK to initialize the settings?> is displayed. If you select [Yes], the settings are initialized. If you select [No], the settings are not initialized.

IMPORTANT

Do not turn OFF the machine while the settings are being initialized, as this may damage the machine's memory.

PCL/PS Settings

NOTE

These settings are not applicable when printing in UFR mode.

PCL

■ Orientation

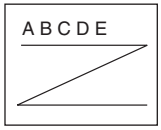
Portrait*, Landscape

This setting enables you to set the paper orientation.

If [Portrait] is selected, the print image is printed in portrait orientation regardless of the orientation of the paper in the paper drawers.

Portrait

If [Landscape] is selected, the print image is printed in landscape orientation regardless of the orientation of the paper in the paper drawers.



Landscape

■ Font Number

0 to 120; 0*

You can set the default font typeface for this printer function using the corresponding font numbers. Valid font numbers are from 0 to 120.

■ Point Size

4.00 to 999.75 point (in increments of 0.25 points); 12.00* point

If the number selected in Font Number is that of a proportionally spaced scalable font, this option appears in the PCL menu. It enables you to specify a point size for the default font. The point size can be adjusted in increments of 0.25 pts.

■ Pitch

0.44 to 99.99 cpi (in increments of 0.01 cpi); 10.00* cpi

If the number selected in Font Number is that of a fixed pitch scalable font, Pitch appears in the PCL menu. It enables you to specify the pitch for the default font. The pitch can be adjusted in increments of 0.01 cpi (characters per inch).

■ Form Lines

5 to 128 lines; 60* lines

This setting enables you to specify the number of lines to be printed on a page. You can specify from 5 to 128 lines.

■ Symbol Set

DESKTOP, ISO4, ISO6, ISO11, ISO15, ISO17, ISO21, ISO60, ISO69, ISOL1, ISOL2, ISOL5, ISOL6, LEGAL, MATH8, MCTEXT, MSPUBL, PC775, PC8*, PC850, PC852, PC8DN, PC8TK, PC1004, PIFONT, PSMATH, PSTEXT, ROMAN8, VNINTL, VNMATH, VNUS, WIN30, WINBALT, WINL1, WINL2, and WINL5

This setting enables you to select the symbol set most suited to the needs of the host computer.

■ Custom Paper

On, Off*

This setting enables you to specify a custom paper size. If [On] is selected, you can enter a custom size.

NOTE

You can only select the custom paper size entered with settings from the printer driver.

■ Unit of Measure

Millimeters, Inches*

This setting enables you to specify the unit of measurement you would like to use to specify your custom paper size.

NOTE

This function is not available if the Custom Paper option is set to 'Off'.

■ X Dimension

5.51 to 17.99 inches; 17.99* inches

This setting enables you to specify the X dimension of the custom paper. The X dimension can be adjusted between 5.51" (140 mm) and 17.99" (457 mm) in increments of 0.01" (1 mm).

This function can be very useful when part of the printed image is cut off. Increasing this dimension may allow some of the missing text to be correctly printed. Make sure you do not increase the X dimension beyond the actual size of the paper you are using for printing.

NOTE

This function is not available if the Custom Paper option is set to 'Off'.

■ Y Dimension

3.90 to 12.13 inches; 12.13* inches

This setting enables you to specify the Y dimension of the custom paper. The Y dimension can be adjusted between 3.90" (99 mm) and 12.13" (308 mm) in increments of 0.01" (1 mm).

This function can be very useful when part of the printed image is cut off. Increasing this dimension may allow some of the missing text to be correctly printed. Make sure you do not increase the Y dimension beyond the actual size of the paper you are using for printing.

NOTE

This function is not available if the Custom Paper option is set to 'Off'.

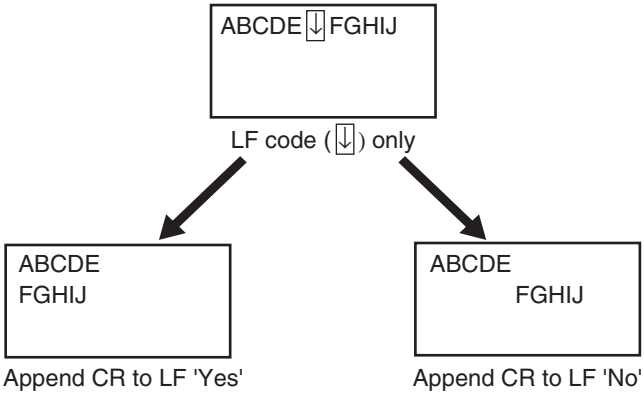
■ Append CR to LF

Yes, No*

This setting enables you to specify whether to append a carriage return (CR) when line feed code (LF) is received.

If [Yes] is selected, the print head moves to the beginning of the next line when line feed code is received.

If [No] is selected, the print head moves down to the next line when line feed code is received, and the margin does not change (such as to the beginning of the next line).



■ Gray Compensation

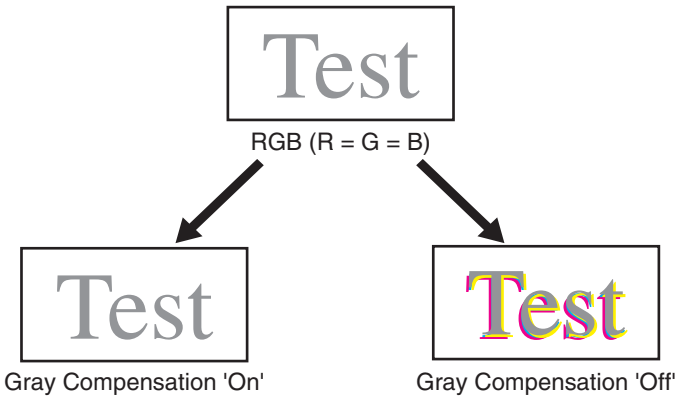
Text: On*, Off
Graphics: On*, Off

This setting determines whether only black (K) toner is used when the ratio of R (red) to G (green) to B (blue) is the same.

Gray compensation can be set for Text and Graphics data.

If [On] is selected, black and gray data for the equivalent levels of RGB is printed using the black (K) toner only, thereby lessening toner bleeding.

If [Off] is selected, black and gray data for the equivalent levels of RGB is printed using all 4 (CMYK) toners. However, there is a possibility that the toner may bleed.



NOTE

If a problem occurs to the Graphics data with the default values set, switch Graphics On and Off to fix the problem.

PS

■ Job Timeout

0 to 3600 seconds; 0* seconds

This setting enables you to specify the amount of time before a job times out. If a job has not finished within the set time limit, the job automatically cancels.

■ Wait Timeout

0 to 3600 seconds; 300* seconds

This setting enables you to specify the amount of time the machine will wait for data sent from the host computer before it times out. If data is not received within the set time limit, the job automatically cancels.

■ Print PS Errors

On, Off*

This setting determines whether an error page is printed when an error is encountered.

■ RGB Source Profile

sRGB*, Gamma 1.5, Gamma 1.8, Gamma 2.4, None, and Download Profile

This setting allows you to define the characteristics of the RGB profile (color data represented using the RGB (Red Green Blue) color model) that is appropriate for your monitor, used when printing color images or graphics in a document. This ensures that the machine uses the most appropriate color conversion when printing color documents using the CMYK (Cyan Magenta Yellow blacK) color model.

sRGB

This setting specifies the industry standard definition for generic Windows (PC) monitors. If you are using an sRGB compatible monitor, you can print out colors close to how they appear on your monitor.

Gamma 1.5, Gamma 1.8, and Gamma 2.4

These settings enable you to select the gamma correct level of the RGB data. The higher the value, the darker the printout.

None

When this setting is selected, device-dependent RGB data is converted into CMYK without the machine applying the RGB color model.

Download Profile

This setting specifies the profiles you have downloaded from the host computer to this machine using NetSpot Resource Downloader. You can store up to 100 profiles.

IMPORTANT

- You may not be able to use all the profiles that are downloadable. If color data is printed in gray using a downloaded profile, check the downloaded profile for compatibility.
- If the machine receives data with a device-independent (CIE-based) color space definition, it is color-processed with the specified settings. Therefore RGB Source Profiles are not applied by the machine.
- When a setting other than 'None' is selected, and the machine receives a device-dependent color space definition that is color-processed by the host computer, RGB Source Profiles are also applied by the machine.

NOTE

- Device-independent colors are not dependent on any particular device, such as a monitor, and are meant to be true representations of colors as perceived by the human eye. These color representations, called device-independent color spaces, result from work carried out by the Commission Internationale d'Eclairage (CIE) and for that reason are also called CIE-based color spaces.
- For more information on obtaining the NetSpot Resource Downloader, consult your local authorized Canon dealer.
- If a profile with the name of "None" is downloaded to the machine, the profile is not applied and the [None] setting on the menu is applied.

■ CMYK Simulation Profile

JapanColor(Canon), US Web Ctd(Canon), Euro Standard, None*, and Download Profile

This setting allows you to change the simulation target for the current job. When the machine processes the job, the simulation target selected in the CMYK Simulation Profile is applied before the job is printed, using the Canon-built CMYK (Cyan Magenta Yellow blacK) color model profile.

JapanColor(Canon)

This setting uses the JapanColor profile. This is the specification for proofing and printing in Japan.

US Web Ctd(Canon)

This setting uses the U.S. Web Coated profile. This is the specification for proofing and printing on a web offset press in the USA.

Euro Standard

This setting uses the Euro Standard profile. This is the specification for proofing and printing in Europe.

None

When this setting is selected, device-dependent CMYK data is printed as is without the machine applying the CMYK color model.

Download Profile

This setting uses custom simulation target that you have downloaded from the host computer to this machine using NetSpot Resource Downloader. You can store up to 100 profiles.

IMPORTANT

- You may not be able to use all the profiles that are downloadable. If color data is printed in gray using a downloaded profile, check the downloaded profile for compatibility.
- If the machine receives data with a device-independent (CIE-based) color space definition, it is color-processed with the specified settings. Therefore CMYK Simulation Profiles are not applied by the machine.
- When a setting other than 'None' is selected, and the machine receives a device-dependent color space definition that is color-processed by the host computer, CMYK Simulation Profiles are also applied by the machine.

NOTE

- For more information on obtaining the NetSpot Resource Downloader, consult your local authorized Canon dealer.
- When [None] is selected, areas of dark color may be blotchy depending on the data.
- If a profile with the name of "None" is downloaded to the machine, the profile is not applied and the [None] setting on the menu is applied.

■ Use Grayscale Profile

On, Off*

This setting allows you to define how device-dependent gray data is processed.

If [On] is selected, device-dependent gray data is converted into CMYK data using the Grayscale Profile of the machine. The data may be reproduced using only the black (K) toner, depending upon the Pure Black Text process or Output Profile.

If [Off] is selected, device-dependent gray data is reproduced using black (K) toner only.

■ Output Profile

PS Normal, PS Photo, PS TR Normal*, PS TR Photo, and Download Profile

This setting allows you to define the profile that is appropriate for the data you are going to print. It is applied to all data in the print job, so make sure the selected profile is right for your job.

PS Normal

This setting prints the colors closely matching the ones displayed on your monitor.

PS Photo

This setting prints at photograph quality.

PS TR Normal

This setting prints the colors closely matching the ones displayed on your monitor, and also minimizes toner bleeding of text and fine lines.

PS TR Photo

This setting prints at photograph quality, and also minimizes toner bleeding of text and fine lines.

Download Profile

This setting uses a custom profile that you have downloaded from the host computer to this machine using NetSpot Resource Downloader. You can store up to 100 profiles.

NOTE

- For more information on obtaining the NetSpot Resource Downloader, consult your local authorized Canon dealer.
- If [None] is selected for the RGB Source Profile or CMYK Simulation Profile, or if [Off] is selected for Use Grayscale Profile, this setting is not applied to device-dependent color data.

■ Matching Method

Perceptual*, Saturation, and Colorimetric

This setting allows you to specify a method of printing when the RGB Source Profile is applied. This machine includes a color management system that provides the following color rendering styles.

Perceptual

This setting optimizes the range of colors on the machine to produce the best results for photographic or bitmapped images.

Saturation

This setting optimizes the output of pure, saturated colors, such as those used in business presentations.

Colorimetric

This setting provides a close match to the CMYK device being simulated.

NOTE

- When [PS Normal] or [PS TR Normal] is selected in the Output Profile, the [Perceptual] function is automatically set to Monitor Color Matched mode.
- When [PS Photo] or [PS TR Photo] is selected in the Output Profile, the [Perceptual] function is automatically set to Photographic mode.
- If [None] is selected for the RGB Source Profile, and the machine receives a device-dependent color space definition that is color-processed by the host computer, this setting is not applied.

■ RGB Pure Black Process

On*, Off

This setting enables you to specify how black and gray data with the equivalent ratio of R to G to B should be processed when device-dependent RGB data is converted into device-dependent CMYK data using the RGB Source Profile of the machine.

If [On] is selected, black and gray data with the equivalent ratio of R to G to B is printed using the black (K) toner only, regardless of the selected Output Profile setting.

If [Off] is selected, black and gray data with the equivalent ratio of R to G to B is printed using CMYK toners appropriate for the selected Output Profile setting.

NOTE

- In combination with certain settings, black and gray data with the equivalent ratio of R to G to B may be printed using the black (K) toner only, even if [Off] is selected. The following are examples.
  - When [On] is selected for Pure Black Text
  - When [None] is selected for RGB Source Profile
  - When [PS TR Normal] or [PS TR Photo] is selected for Output Profile
  - When 'Prioritize Printing of Lines and Text' in the printer driver is selected
- If [None] is selected for RGB Source Profile, this setting is not applied.

■ CMYK Pure Black Process

On*, Off

This setting enables you to specify how monochrome data (C=M=Y=0) should be printed when the device-dependent CMYK data is processed using the CMYK Simulation Profile of the machine.

If [On] is selected, monochrome data (C=M=Y=0) is printed using the black (K) toner only, regardless of the selected Output Profile setting.

If [Off] is selected, monochrome data (C=M=Y=0) is printed using CMYK toners appropriate for the selected Output Profile setting.

NOTE

- In combination with certain settings, monochrome data (C=M=Y=0) may be printed using the black (K) toner only, even if [Off] is selected. The following are examples.
  - When [On] is selected for Pure Black Text
  - When [None] is selected for CMYK Simulation Profile
  - When [PS TR Normal] or [PS TR Photo] is selected for Output Profile
  - When 'Prioritize Printing of Lines and Text' in the printer driver is selected
- If [None] is selected for CMYK Simulation Profile, this setting is not applied.

■ Pure Black Text

On*, Off

This setting affects the printout for black text on a page. Under most circumstances it is preferable to leave this option set to 'On'.

If [On] is selected, black colors generated by applications are printed using only 100% black toner. This means that black text will not exhibit halftone patterns (such as moiré patterns), and the color toner will not be misaligned since only one toner color (black) is used. It also eliminates color bleed (the unintended overlaying or blending of two adjacent colors when text is printed).

Pure Black Text 'On'

If [Off] is selected, you can print black text as four color black (using Cyan, Magenta, Yellow, and Black toner) and using normal PostScript rendering. For some jobs, it is preferable to turn this option 'Off' (for example, if the page includes gradient fills that use black).

Pure Black Text 'Off'

■ Black Overprint

On*, Off

When printing black text in combination with a color background or graphics, the text can be printed as part of the color background, or separately. This setting allows you to choose a specific way to print black text for such a job.

If [On] is selected, you can overprint black text. When this setting is used in combination with the Pure Black Text option, the machine first prints the full color background, then lays the black text on the top of the color background as 100% K (black) toner. The result is a darker and glossier appearance for the black text. Overprinting also minimizes the misalignment of colors and the halo effect that can appear around the edge of objects in the printed image.

Black Overprint 'On'

If [Off] is selected, black text is printed with knockouts. The machine first prints the color background with the black text areas "knocked out" (no color is printed in the text areas). The black text is then printed in the knocked out area, filling in the areas not printed in color. The result is a flatter appearance for the black text.

Black Overprint 'Off'

NOTE

This function is not available if Pure Black Text is set to 'Off'.

■ Brightness

85 to 115%; 100%*

This setting adjusts the brightness of the overall image. The settings can be set between 85% and 115% in increments of 5%.

Selecting [85%] makes the image brighter, and selecting [115%] makes it darker.

NOTE

This function is not available if the Toner Save option is set to 'On'.

Initialize PCL Hard Disk

-

If trouble occurs when fonts, macros, or profiles are downloaded from a personal computer to this machine using the download utility, initialize the PCL hard disk partition.

For details, see "If Trouble Occurs When Downloading Fonts, Macros, or Profiles from a Personal Computer," on p. 4-15.

IMPORTANT

- This function can only be selected if the System Management Mode is set.
- Never initialize the PCL hard disk when the machine is operating normally. Before initializing, be sure to read "If Trouble Occurs When Downloading Fonts, Macros, or Profiles from a Personal Computer," on p. 4-15.

NOTE

This function is not available for UFR mode.

Initialize PS Hard Disk

-

If trouble occurs when fonts, macros, or profiles are downloaded from a personal computer to the machine using the download utility, initialize the PS hard disk partition.

For details, see "If Trouble Occurs When Downloading Fonts, Macros, or Profiles from a Personal Computer," on p. 4-15.

IMPORTANT

- This function can only be selected if the System Management Mode is set.
- Never initialize the PS hard disk when the machine is operating normally. Before initializing, be sure to read "If Trouble Occurs When Downloading Fonts, Macros, or Profiles from a Personal Computer," on p. 4-15.

NOTE

This function is not available for UFR mode.

Reset Printer

-

If you want to clear all print jobs in progress as well as data that has been received in memory, you must reset the printer function. Resetting the printer deletes print jobs in the machine's memory and the print data that has been received by all interfaces.

NOTE

- If the machine is being used on a network, please note that resetting the printer function may affect data being received from other users.
- If you reset the printer function, data may be deleted for print jobs that have already been received, or received while the printer function is being reset. However, in some cases, the data is not deleted from the machine's memory, and the print job may not print correctly. Canon recommends that you reset the printer to delete the data and print the job again.
- If you have downloaded fonts to the machine from a Macintosh computer, you need to restart the machine or reset the printer function from this menu, in order to enable the downloaded fonts when spool printing.

Report Settings Menu

CHAPTER 3

This chapter describes how to use the Report Settings menu to check the configuration of the print function or print a font list. This menu is not applicable for UFR mode.

An Overview of Report Settings 3-2

PCL Menu 3-3

- Configuration Page 3-3
- Font List 3-3

PS Menu 3-4

- Configuration Page 3-4
- Font List 3-4

An Overview of Report Settings

The following table lists all settings of the Report Settings menu.

■ Printer Menu

Item	Settings	Applicable Page
PCL		
Configuration Page	-	p. 3-3
Font List	-	p. 3-3
PS		
Configuration Page	-	p. 3-4
Font List	-	p. 3-4

PCL Menu

Configuration Page

-

Details of RAM capacity, settings in the printer's menus, etc., are printed.

If you select Configuration Page, the confirmation message <Print the configuration page?> is displayed. If you select [Yes], the configuration page is printed, and if you select [No], it is not printed.

Font List

-

ID numbers, names, and samples of fonts held by the printer are printed.

If you select Font List, the confirmation message <Print the font list?> is displayed.

If you select [Yes], the font list is printed, and if you select [No], it is not printed.

PS Menu

Configuration Page

-

Details of RAM capacity, settings in the printer's menus, etc., are printed.

If you select Configuration Page, the confirmation message <Print the configuration page?> is displayed. If you select [Yes], the configuration page is printed, and if you select [No], it is not printed.

Font List

-

Names and samples of fonts held by the printer are printed.

If you select Font List, the confirmation message <Print the font list?> is displayed.

If you select [Yes], the font list is printed, and if you select [No], it is not printed.

4 CHAPTER

Troubleshooting

This chapter explains how to solve printing problems and the remedial steps to take if printing fails.

Responding to Error Messages 4-2
Resetting the Machine After a Service Call Message 4-2
When a Message Is Displayed 4-3
Printing Problems 4-6
Printer Trouble 4-6
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Responding to Error Messages

When the Error Indicator is orange, printing is not possible. If this happens during printing, the print operation stops. Read the displayed error message to determine the appropriate actions necessary to correct the problem.

This section describes how to handle error messages that appear on the touch panel display. The two types of error messages are:

- Service Call Messages
- Error Messages

NOTE

Other messages that may appear indicate the current condition of the machine.

Resetting the Machine After a Service Call Message

If a Service Call message occurs (Exxx-xxxx, where x represents a number), use the following procedure to clear the message.

1 Press (Additional Functions).

2 Press [Printer Settings].

When a Service Call error occurs, the normal Printer Settings screen does not appear and only the Reset Printer screen appears.

3 Press [Reset Printer].

IMPORTANT

If the Service Call error message still appears after you have performed this procedure, make a note of the number of the message and contact your local authorized Canon dealer with the number of the message and the conditions when the error occurred.

When a Message Is Displayed

If the printer is unable to print for some reason, the Error Indicator lights up and a message indicating the cause of the problem is displayed on the touch panel display. When these messages are displayed, take the appropriate action to solve the problem.

NOTE

- If a message indicating another problem occurs at the same time as the first error message, a warning message will not be displayed.
- If the message is shown with the "**Error Skip**" mark, you can bypass the error and continue printing by pressing [Error skip]. However, if you do this, print data may be lost or the data may not be printed correctly. If you want to cancel the procedure, cancel the print job to remove the cause of the problem, and print the data again.
- To perform an error skip, press [Print] on the System Monitor screen → select the job containing the error → press [Details] → [Error Skip].
- To cancel a print job, press [Print] on the System Monitor screen → select the job containing the error → press [Cancel]. (See Chapter 5, "Checking Job and Device Status," in the *Reference Guide*.)

E730-1001 PDL Initialize Error	Service Call

Cause An error occurred during the initialization of the printer function.

Remedy Perform a printer reset to try to initialize the function again. If this error persists, contact your local authorized Canon dealer.

E730-100A PDL Service Call	Service Call

Cause An internal error has occurred.

Remedy Perform a printer reset to try to initialize the function again. If this error persists, contact your local authorized Canon dealer.

E730-100B PDL Font Error	Service Call

Cause A master font error has occurred.

Remedy Perform a printer reset to try to initialize the function again. If this error persists, contact your local authorized Canon dealer.

PDL Memory Full — Error Skip

Cause The machine's memory is full and printing cannot proceed.

Remedy Change the mode setting in the printer driver and try printing again, or reduce the complexity of the print job by reducing the number of fonts, macros, images, or patterns that need to be downloaded to the machine.

PDL Font Memory Full — Error Skip

Cause The machine's memory space allocated for fonts is full and printing cannot proceed.

Remedy Change the font setting in the printer driver and try printing again. Alternatively reduce the complexity of the print job by reducing the number of fonts that need to be downloaded to the machine.

PDL Macro Memory Full — Error Skip

Cause The machine's memory space allocated for macros is full and printing cannot proceed.

Remedy Change the macro setting in the printer driver and try printing again. Alternatively reduce the complexity of the print job by reducing the number of macros that need to be downloaded to the machine.

PDL Image Memory Full — Error Skip

Cause The machine's memory space allocated for images is full and printing cannot proceed.

Remedy Change the image setting in the printer driver and try printing again. Alternatively reduce the complexity of the print job by reducing the number of images that need to be downloaded to the machine.

PDL Pattern Memory Full — Error Skip

Cause The machine's memory space allocated for patterns is full and printing cannot proceed.

Remedy Change the pattern setting in the printer driver and try printing again. Alternatively reduce the complexity of the print job by reducing the number of patterns that need to be downloaded to the machine.

PDL HD Error — Error Skip

Cause The printer has reported a hard disk error.

Remedy Perform a reset and try printing again. If the problem persists, contact your local authorized Canon dealer. You must perform an Error Skip manually to skip this error.

PDL Invalid Version — Error Skip

Cause The Printer Name selected in the UFR printer driver is not correct.

Remedy Choose the correct Printer Name in the UFR printer driver.

PDL Invalid Sequence

Cause The Printer Name selected in the UFR printer driver is not correct.

Remedy Choose the correct Printer Name in the UFR printer driver.

PDL Warning

Cause An internal error has occurred for the printer function.

Remedy Perform a printer reset to try to initialize the function again. If this error persists, contact your local authorized Canon dealer.

Printing Problems

If you have trouble printing, we recommend resolving the problems with the following remedies.

NOTE

Please contact your local authorized Canon dealer if a problem persists, or if you encounter problems not listed below.

Printer Trouble

The printer does not work

Cause 1 There is data remaining in the printer's memory. (The Processing/Data Indicator is flashing or lit.)

Remedy Print out the data. (See Chapter 5, "Checking Job and Device Status," in the *Reference Guide*.)

Cause 2 There is a problem with the printer or the software.

Remedy Look at the message on the display and act accordingly. (See "When a Message Is Displayed," on p. 4-3.)

Printing stops before the job is complete

Cause There is data remaining in the printer's memory. (The Processing/Data Indicator is flashing or lit.)

Remedy Print out the data. (See Chapter 5, "Checking Job and Device Status," in the *Reference Guide*.)

You cannot print a job or store a job

Cause The total number of pages in all jobs (maximum capacity is 3,700 pages) or size of the data in the hard disk has exceeded the limit which can be processed.

Remedy 1 Delete other processes, documents, or forms stored in the box, cancel other jobs being processed, or wait until those jobs are finished, then print again.

Remedy 2 Divide the job, then print again.

You cannot store a secured print job

Cause The number of secured jobs stored in the machine has exceeded the maximum capacity of 50 jobs, or the total number of pages that are stored or are in jobs has exceeded the limit (3,700 pages).

Remedy Delete other secured jobs, or wait until those jobs have finished printing, then print again.

Printing Problems

Meaningless characters are being printed

Cause 1 You have printed from Windows without installing the printer driver for Windows that was included with the machine.

Remedy Install the printer driver for Windows that was included with the machine and print the data again. (See Chapter 2, "Getting Started," in the *PCL Driver Guide*, the *PS Driver Guide*, or the *UFR Driver Guide*.)

Cause 2 MS-DOS application software printer settings are incompatible.

Remedy Reset the MS-DOS application software printer settings on a printer that is compatible with the machine. (See the application software manual.)

A font that is different from the one specified is printed

Cause The 'Substituting Printer Fonts' setting has been set on the printer driver for Windows.

Remedy Set the 'Substituting Printer Fonts' setting to the correct setting and print the data again. (See the Help function on the printer driver.)

You cannot print the last page

Cause The command that identifies the end of the data has not been sent from the PC. (The Processing/Data Indicator is flashing or lit.)

Remedy Clear the print data. (If you print from application software that does not have a print function and the last page of data is not a full page, the data will remain in the machine's memory.) (See Chapter 5, "Checking Job and Device Status," in the *Reference Guide*.)

A print job that you have specified as two-sided printing is printed on one side of the paper

Cause 1 The paper size you have specified is not supported by two-sided printing.

Remedy Change the print job settings and print the data again.

Cause 2 The settings for the front and back sides of the paper are different.

Remedy Change the print job settings and print the data again.

The data does not fit on the page properly

Cause 1 The paper is not in the correct position.

Remedy Make sure the machine is set correctly and try printing again. (See Chapter 7, "Routine Maintenance," in the *Reference Guide*.)

Cause 2 The data is outside the printable area.

Remedy 1 Insert margins around the data and print the data again. (See the Help function on the printer driver or the application software manual.)

Remedy 2 Change the 'Scaling' settings on the printer driver and print the data again. (See Chapter 3, "Basic Print Options" in the *PCL Driver Guide*, the *PS Driver Guide*, or the *UFR Driver Guide*.)

The printing location has slipped

Cause 1 Margin, Offset X, or Offset Y in the printer settings menu have been changed.

Remedy Set Margin, Offset X, and Offset Y to '0.0' and print the data again. (See "Margin," on p. 2-12, and "Offset X/Offset Y," on p. 2-14.)

Cause 2 The application software's top margin and paper location settings are not correct.

Remedy Set the correct settings for the top margin and the paper location and print the data again. (See the application software manual.)

Data that should be printed on the same page is printed on two separate pages

Cause 1 The application software's "Line spacing" and "Number of lines on a page" settings are not correct.

Remedy Change the settings so that the data fits on one page and print the data again. (See the application software manual.)

Cause 2 The Timeout setting is too short, when the Personality setting is set to 'Auto'.

Remedy Change the Personality setting to a setting other than 'Auto', or increase the Timeout setting. (See "Personality," on p. 2-22, and "Timeout," on p. 2-15.)

Print Quality Problems

The printout is too light or too dark

Cause 1 The toner density settings are not correct.

Remedy Adjust the toner density and print the data again. (See "Density," on p. 2-10.)

Cause 2 Toner Save is set to 'On'.

Remedy Set Toner Save to 'Off' and print the data again. (See "Toner Save," on p. 2-10.)

Cause 3 The machine's density settings are not adjusted correctly.

Remedy Perform an Automatic Gradation Adjustment. (See Chapter 4, "Customizing Settings," in the *Reference Guide*.)

Toner does not fix properly

Cause Toner may not fix well on some types of paper.

Remedy Enable Gray Compensation in the printer driver and print the data again. (See the Help function on the printer driver.)

NOTE

You can also perform the same procedure from the touch panel display. (See "Gray Compensation," on p. 2-31.)

The color does not match the other imageRUNNER C3100/C3100N that you are using at the same time

Cause 1 There is a slight unevenness in the Y (Yellow), M (Magenta), C (Cyan), or K (blacK) toner density.

Remedy Slightly adjust the toner density of the Y (Yellow), M (Magenta), C (Cyan), or K (blacK) toners. (See "Toner Save," on p. 2-10.)

Cause 2 The machine's density settings are not adjusted correctly.

Remedy Perform an Automatic Gradation Adjustment. (See Chapter 4, "Customizing Settings," in the *Reference Guide*.)

The specified color of thin lines or filled-in patterns do not print or disappear

Cause 1 The combination of the color or pattern cannot be reproduced correctly.

Remedy 1 Adjust the color in the software application you are using and print the data again.

Remedy 2 Change the pattern in the software application you are using and print the data again.

Cause 2 The color looks different due to the halftone pattern.

Remedy 1 Change the density of the color and print the data again.

Remedy 2 Change the direction of the paper and print the data again.

Remedy 3 Set Halftones in the printer driver to 'Error Diffusion' and print the data again. (See the Help function on the printer driver.)

NOTE

You can also perform the same procedure from the touch panel display. (See "Halftones," on p. 2-25.)

The halftone pattern does not print in the correct (specified) color

Cause The machine's dither pattern is interfering with the halftone pattern in the print data.

Remedy 1 Remove the halftone pattern in the software application you are using and print the data again.

Remedy 2 Set Halftones in the printer driver to 'Error Diffusion' and print the data again. (See the Help function on the printer driver.)

NOTE

You can also perform the same procedure from the touch panel display. (See "Halftones," on p. 2-25.)

The color of the photograph-like printout is different to the color on the display

Cause Due to the difference of the color adjustment method between the display (RGB) and the machine (CMYK), the display colors cannot be faithfully printed.

Remedy 1 Set Matching Method in the printer driver to 'Perceptual[Monitor Color Matched]' and print the data again. (See the Help function on the printer driver.)

NOTE

You can also perform the same procedure from the touch panel display. (See "Matching Method," on p. 2-36.)

Remedy 2 Set RGB Source Profile to 'Gamma 1.5', 'Gamma 1.8', or 'Gamma 2.4' and print the data again. (See "RGB Source Profile," on p. 2-32.)

A diagram containing gradation is printed with a streak in the gradation area

Cause Gray Compensation is taking effect on the gray part of the streak on the diagram.

Remedy Disable Gray Compensation in the printer driver and print the data again. (See the Help function on the printer driver.)

NOTE

You can also perform the same procedure from the touch panel display. (See "Gray Compensation," on p. 2-31.)

Characters are blurred

Cause Thick font is used for characters.

Remedy 1 Use thinner font and print the data again.

Remedy 2 Disable Gray Compensation in the printer driver and print the data again. (See the Help function on the printer driver.)

NOTE

You can also perform the same procedure from the touch panel display. (See "Gray Compensation," on p. 2-31.)

Thin lines and fine characters bleed

Cause The specified thin lines and fine characters cannot be processed properly.

Remedy 1 Adjust the color in the software application you are using and print the data again.

Remedy 2 Use thicker lines or fonts and print the data again.

Remedy 3 Set Halftones in the printer driver to 'Error Diffusion' or 'Resolution' and print the data again. (See the Help function on the printer driver.)

NOTE

You can also perform the same procedure from the touch panel display. (See "Halftones," on p. 2-25.)

Remedy 4 If you are using Illustrator 8.0 or higher, set Bitmap Print to 'Off' (uncheck the check box) and print the data again. (Windows only)

The frame of the image that you inserted, which is not visible on your monitor, is printed in a color different to that of the color surrounding the frame.

Cause Depending on the application software and OS that you are using, the method in which halftones and colors are processed may be different.

Remedy 1 Disable Gray Compensation in the printer driver and print the data again. (See the Help function on the printer driver.)

Remedy 2 Set Halftones in the printer driver to 'Error Diffusion', 'Resolution', or 'Gradation', and print the data again. (See the Help function on the printer driver.)

NOTE

You can also perform the same procedure from the touch panel display. (See "Halftones," on p. 2-25.)

Remedy 3 Set Matching Method in the PCL printer driver or the UFR printer driver to 'Perceptual [Monitor Color Matched]', 'Saturation', or 'Colorimetric', and print the data again. (See the Help function on the printer driver.)

Gradation in the black or gray parts of the image does not appear smooth (the color changes stand out).

Cause RGB Pure Black Process is affecting the black or gray part of the gradation.

Remedy Disable RGB Pure Black Process in the Windows PS printer driver or Mac PS printer driver and print the data again. (See the Help function on the printer driver.)

NOTE

- You can also perform the same procedure from the touch panel display. (See "RGB Pure Black Process," on p. 2-37.)
- If you change the above settings, gray or black data is printed using CMYK toners. Therefore, the data may be printed in color, even if all pages are monochrome.

The gray data appears grainy.

Cause The RGB Pure Black Process setting, in combination with the Prioritize Printing of Line and Text setting in the printer driver or Output Profile setting on the control panel, is affecting the gray part of the data.

Remedy 1 Disable RGB Pure Black Process and Prioritize Printing of Line and Text in the Windows PS printer driver or Mac PS printer driver and print the data again. (See the Help function on the printer driver.)

Remedy 2 Set RGB Pure Black Process to 'Off' and Output Profile to 'PS Normal' on the PS menu from the touch panel display and print the data again. (See "RGB Pure Black Process," on p. 2-37, and "Output Profile," on p. 2-35.)

NOTE

If you change the above settings, gray or black data is printed using CMYK toners. Therefore, the data may be printed in color, even if all pages are monochrome.

If Trouble Occurs When Downloading Fonts, Macros, or Profiles from a Personal Computer

If trouble occurs when fonts, macros, or profiles are downloaded from a personal computer to this machine and the problem cannot be resolved by reinstalling, follow the steps explained in this section to initialize the hard disk partition.

IMPORTANT

- Only the system administrator for the machine can initialize the hard disk. Contact the system administrator to execute this procedure.
- The font, macros, or profile information downloaded to the hard disk is deleted by initializing the hard disk.
- Do not turn OFF the power when the hard disk is initializing. This may damage the machine.

NOTE

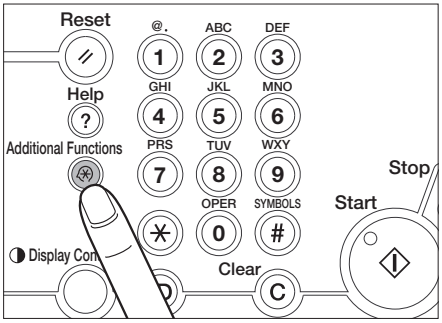
- The hard disk cannot be initialized in the following conditions:
  - When print data is being received or printed. (It is recommended that you remove the cable connecting the machine to the hub, so it does not receive print data.)
  - When fonts are being installed or uninstalled.
- The steps explained below are for initializing the PCL Hard Disk partition.
- To initialize the PS Hard Disk partition, follow the same steps, except that for step 5, select [Initialize PS Hard Disk].

1 Set System Management Mode.

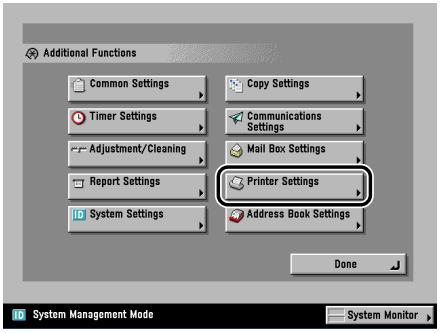
NOTE

Before setting System Management Mode, a system manager ID and system password must be set. For details on settings, see Chapter 6, "System Manager Settings," in the *Reference Guide*.

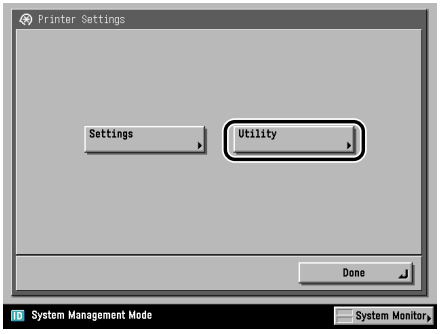
2 Press (Additional Functions).



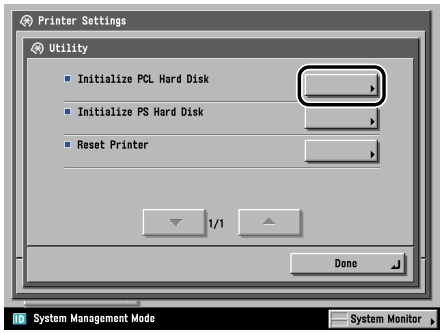
3 Press [Printer Settings].



4 Press [Utility].



5 Press [Initialize PCL Hard Disk].



A confirmation message appears.

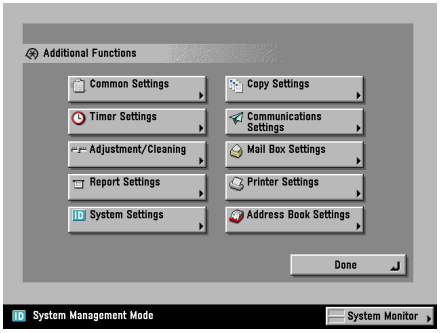
NOTE

If you cannot press [Initialize PCL Hard Disk], the hard disk cannot be initialized. Check whether System Management Mode is set or if the machine is processing a job, and start with Step 1 again.

6 Press [Yes].

If you do not wish to initialize the hard disk, press [No].

The following screen is displayed and the hard disk is initialized. During initialization, the Processing/Data Indicator flashes.

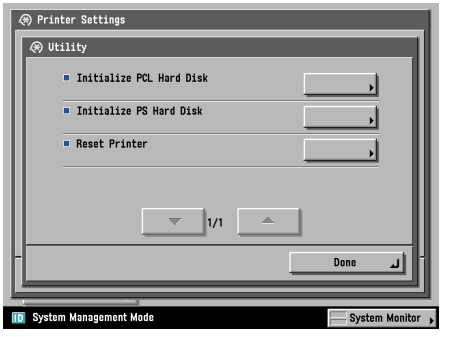


When the initialization of the hard disk is completed, the Processing/Data Indicator goes out.

The duration of the hard disk initialization process depends on the number of fonts, macros and profiles on the hard disk.

IMPORTANT

- Do not turn OFF the power until the Processing/Data Indicator goes out. This may damage the machine.
- If the following screen is displayed after pressing [Yes], the hard disk has not been initialized. Check whether print data is received and retry.



Appendix

5
CHAPTER

This chapter shows print samples for different fonts, describes font information, including sources and font lists, and lists a summary of the specifications for the machine.

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Some Basic Facts about Fonts

This section summarizes some of the basic facts you should know about fonts.

What Is a Font?

A font is a collection of letters and symbols used when printing a document. In general, a group of letters and symbols sharing a common design is referred to as a font. A font consists of the letters A to Z in both upper and lowercase, digits, and symbols.

The design that distinguishes one font from another is referred to as a "typeface." Each font has a typeface name, such as Courier, CG Times, Letter Gothic, etc.

Attributes of Fonts

All fonts share some common characteristics, which are called "attributes." The typeface is one such attribute. The letters and symbols that are actually printed are determined by the values of a collection of these attributes.

Typeface	The design of the letters (for example, Courier, CG Times, Letter, or Gothic).
Stroke Weight	The thickness of the lines with which the letters are drawn (e.g. bold, medium, or light).
Style	Whether the letters are drawn straight or at an angle (e.g. upright or italic).
Point Size	Height of the letters (e.g. 10 point or 5 point).
Pitch (cpi)	Number of characters that are printed in one inch (e.g. 10 cpi, 12 cpi, or Scale).
Character Width (Fixed/PS)	Indicates whether the character width is set to "Fixed" or "Proportional."
Orientation	Orientation of the characters on a page ("Portrait" or "Landscape").
Symbol Set	The rule that defines the correspondence between the character codes coming from the host computer, and the letter forms that appear on the page (for example, Roman-8).

Typeface

Typeface refers to the design of the characters and symbols. The following figure shows an example of some typefaces.

Courier ABCDEFGHIJKLMNOPQRSTUVWXYZ

CG Times ABCDEFGHIJKLMNOPQRSTUVWXYZ

Helvetica ABCDEFGHIJKLMNOPQRSTUVWXYZ

Stroke Weight

Stroke weight refers to the thickness of the print. There are light, medium, and bold stroke weights. The printer function has medium and bold fonts available. The figure below shows an example of medium and bold printing.

MEDIUM MEDIUM MEDIUM

BOLD BOLD BOLD BOLD BOLD

Style

Style refers to the shape of the characters. The printer function can print in two styles: upright and italic.

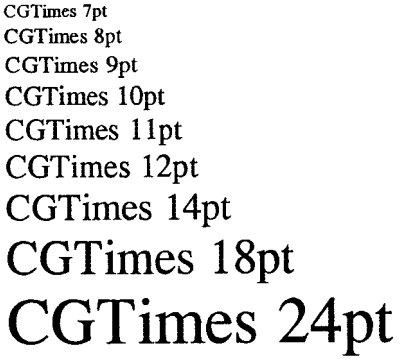
With some fonts, like Letter Gothic, the term "Oblique" is used in the same manner as italics.

UPRIGHT UPRIGHT UPRIGHT

ITALIC ITALIC ITALIC

Point Size

Point size refers to the height of the character. Character size is measured in points. One inch is divided into 72 points and 1 point is 1/72 of an inch (about 0.35 mm). The printer function has bitmapped fonts and scalable fonts available. The bitmapped fonts are fixed in size, but the scalable fonts are not fixed in size. Scalable fonts are freely scalable to any size you wish in 0.1 point increments. The following figure shows an example of various point sizes.

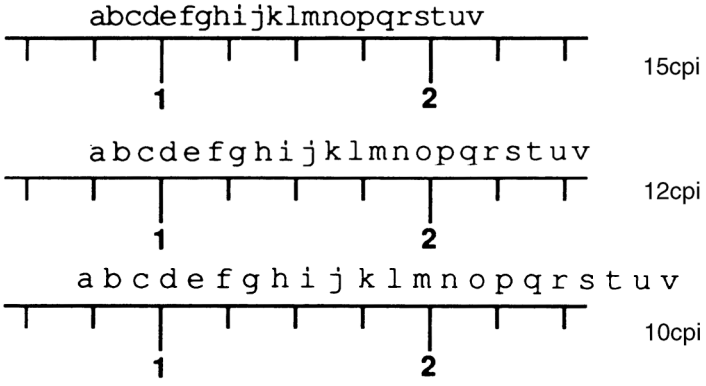


NOTE

See "Fonts and Scalable Fonts," on p. 5-6, for more information on bitmapped fonts and scalable fonts.

Pitch (cpi)

Pitch refers to the number of characters that are printed in one inch. The unit is cpi (characters per inch). As the number of characters per inch increases, the space between characters decreases; as the cpi decreases, the space between characters increases.



Character Width (Fixed and PS)

Each character has a different width from all the other characters in a font at a given point size. For example, "W" is a wider letter than "I." There are two ways to print letters of different widths: you can print all letters with the same spacing, regardless of their actual width; or you can change the spacing between letters to accommodate these different widths. Printing all letters with the same spacing is called "Fixed spacing," while changing the spacing to accommodate different letter widths is called "Proportional spacing."

Because the Fixed spacing method prints all letters with the same spacing, the number of characters which will fit into a given length is a fixed quantity which can be specified.

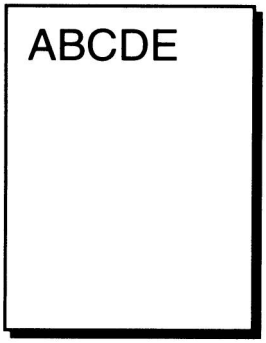
If the characters are printed with Proportional spacing, then the number of characters that will fit into an inch varies depending on the letters printed.

Proportional spacing

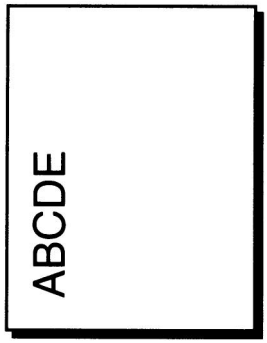
Fixed spacing

Orientation

Orientation refers to the direction of printing. The printer function can print using two different paper orientations: portrait and landscape. With portrait orientation, text is printed across the width of the paper (short edge), and with landscape orientation, text is printed across the length of the paper (long edge).



Portrait

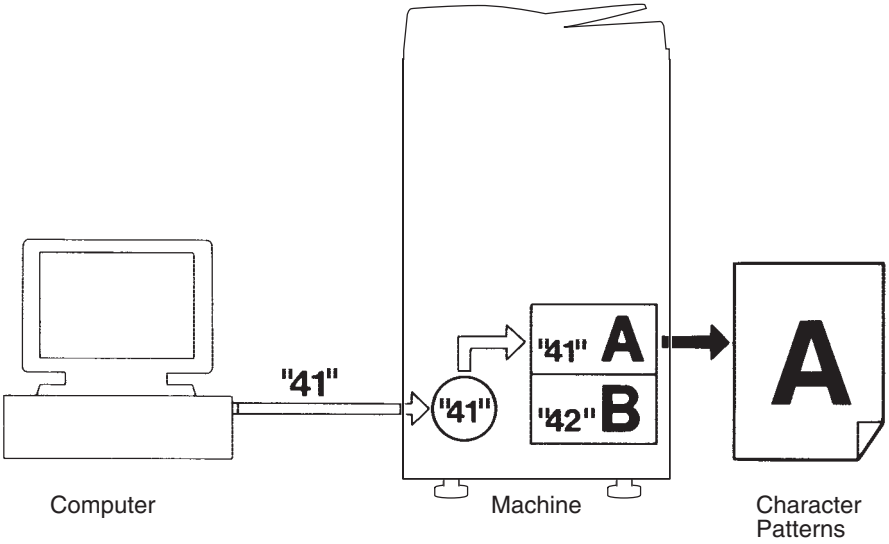


Landscape

Symbol Set

When you print the letter "A," the host computer sends a code corresponding to "A" (hexadecimal 41 is an example of this) to the machine. This code is referred to as the character code. The machine stores an internal representation of each character, and selects from among these character patterns the pattern corresponding to the received code. In this case, the machine searches for the pattern for "A," and prints it.

■ **The process by which letters are printed**



The machine uses a fixed rule to decide which letter or symbol corresponds to the character code sent from the host computer. For example, the letter "A" is printed for the hexadecimal code "41." The rule which determines the correspondence between character codes and printed letters is called the "symbol set."

Fonts and Scalable Fonts

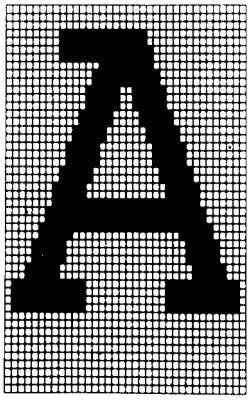
There are two types of fonts available, and these fonts are distinguished by the type of data from which they are formed.

- Bitmapped fonts
- Scalable fonts

Bitmapped Fonts

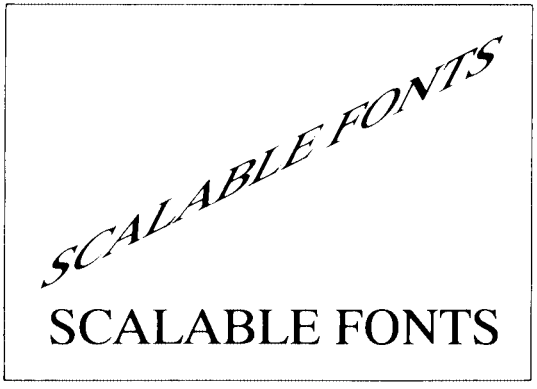
Each character of bitmapped fonts are composed of a grid of small dots and stored in the machine's memory in dot matrix format.

Bitmapped fonts are fixed in size and specified by characteristics called "attributes," such as typeface, stroke weight, style and so on. Various types of bitmapped fonts are produced by the combination of these attributes.



Scalable Fonts

With scalable fonts, characters are freely enlarged or compressed from the one point to any size you wish in 0.1 point increments.



Standard Scalable Fonts (PCL)

With scalable fonts, characters are freely enlarged or compressed from one point to any size you wish in 0.1 point increments. (The maximum range of scaling depends on the size of the memory installed in the machine and the size of the paper used.)

The following scalable typefaces are included with the machine.

Albertus Extra Bold
Albertus Medium
Antique Olive
Antique Olive Bold
Antique Olive Italic
Arial
Arial Bold
Arial Bold Italic
Arial Italic
CG Omega
CG Omega Bold
CG Omega Bold Italic
CG Omega Italic
CG Times
CG Times Bold
CG Times Bold Italic
CG Times Italic
Clarendon Condensed
Coronet
Courier
Courier Bold
Courier Bold Italic
Courier Italic
CourierPS
CourierPS Bold
CourierPS Oblique
CourierPS Bold Oblique
Garamond Antiqua
Garamond Halbfett
Garamond Kursiv
Garamond Kursiv Halbfett
Helvetica
Helvetica Bold
Helvetica Bold Oblique
Helvetica Narrow
Helvetica Narrow Bold
Helvetica Narrow Bold Oblique
Helvetica Narrow Oblique
Helvetica Oblique
ITC Avant Garde Gothic Book
ITC Avant Garde Gothic Book Oblique
ITC Avant Garde Gothic Demi
ITC Avant Garde Gothic Demi Oblique
ITC Bookman Demi
ITC Bookman Demi Italic
ITC Bookman Light
ITC Bookman Light Italic
ITC Zapf Chancery Medium Italic
ITC Zapf Dingbats
Letter Gothic
Letter Gothic Bold
Letter Gothic Italic
Marigold
New Century Schoolbook Bold
New Century Schoolbook Bold Italic
New Century Schoolbook Italic
New Century Schoolbook Roman
Palatino Bold
Palatino Bold Italic
Palatino Italic
Palatino Roman
Symbol
SymbolPS
Times Bold
Times Bold Italic
Times Italic
Times New
Times New Bold
Times New Bold Italic
Times New Italic
Times Roman
Univers Medium
Univers Bold
Univers Bold Condensed
Univers Bold Condensed Italic
Univers Bold Italic
Univers Medium Italic
Univers Medium Condensed
Univers Medium Condensed Italic
Wingdings

OCR Sets Fonts (PCL)

OCR A
OCR B

Bar Code Fonts (PCL)

BC 3 of 9 Thin
BC 3 of 9 Light
BC 3 of 9
BC 3 of 9 Semi
BC 3 of 9 Heavy
Code 128
Code 128 Bold
Code 128 Condensed
Code 128 Condensed Bold
Code 128 Expanded
Code 128 Expanded Bold
Codabar
Codabar Condensed
Codabar Expanded
Interleaved 2 of 5 Light
Interleaved 2 of 5
Interleaved 2 of 5 Semi
Interleaved 2 of 5 Bold
Interleaved 2 of 5 Narrow Light
Interleaved 2 of 5 Narrow
Interleaved 2 of 5 Narrow Semi
Interleaved 2 of 5 Narrow Bold
MSI/Plessey
PostNet
UPC/EAN
UPC/EAN Bold
UPC/EAN Condensed
UPC/EAN Condensed Bold
UPC/EAN Expanded
UPC/EAN Expanded Bold

Symbol Sets (For Scalable Typefaces Only)

The following symbol sets are included with the machine.

3 of 9 Barcode
ASCII (ISO6)
CODABAR
Code 128 Barcode
DeskTop
Dingbats (14L)
Interleaved 2 of 5
ISO 8859-1 Latin1
ISO 8859-10 Latin 6
ISO 8859-2 Latin 2
ISO 8859-9 Latin 5
ISO French (ISO69)
ISO German (ISO21)
ISO Italian (ISO15)
ISO Latin 9 *
ISO Norwegian (ISO60)
ISO Spanish (ISO17)
ISO Swedish:names (ISO11)
ISO United Kingdom (ISO4)
Legal
Math-8
MC Text *
Microsoft Publishing
MSI/Plessey
OCR-A
OCR-B
PC-1004 (OS/2)
PC-775
PC-8
PC-8 D/N
PC-8 Greek CP437
PC-850
PC-852
PC-858 *
PC-860 Portugal
PC-865 Norway
PC-Turkish
Pi Font
PostNet
PS Math *
PS Text
Roman-8
Roman 9 *
Symbol
UPC/EAN Barcode
Ventura International
Ventura Math
Ventura US
Windows 3.0 Latin 1 *
Windows Baltic *
Windows 3.1 Latin 1 *
Windows 3.1 Latin 2 *
Windows 3.1 Latin 5 *
Wingdings

* Supports the euro symbol.

PS Fonts

AlbertusMT
AlbertusMT Italic
AlbertusMT Light
AntiqueOlive Roman
AntiqueOliveCE Roman
AntiqueOlive Italic
AntiqueOliveCE Italic
AntiqueOlive Bold
AntiqueOliveCE Bold
AntiqueOlive Compact
AntiqueOliveCE Compact
Apple Chancery
Apple ChanceryCE
ArialMT
ArialCE
Arial ItalicMT
ArialCE Italic
Arial BoldMT
ArialCE Bold
Arial BoldItalicMT
ArialCE BoldItalic
AvantGarde Book
AvantGardeCE Book
AvantGarde BookOblique
AvantGardeCE BookOblique
AvantGarde Demi
AvantGardeCE Demi
AvantGarde DemiOblique
AvantGardeCE DemiOblique
Bodoni
BodoniCE
Bodoni Italic
BodoniCE Italic
Bodoni Bold
BodoniCE Bold
Bodoni BoldItalic
BodoniCE BoldItalic
Bodoni Poster
BodoniCE Poster
Bodoni PosterCompressed
BodoniCE PosterCompressed
Bookman Light
BookmanCE Light
Bookman LightItalic
BookmanCE LightItalic
Bookman Demi
BookmanCE Demi
Bookman DemiItalic
BookmanCE DemiItalic
Candid
Chicago
Chicago CE
Clarendon
ClarendonCE
Clarendon Light
ClarendonCE Light
Clarendon Bold
ClarendonCE Bold
CooperBlack
CooperBlack Italic
Copperplate ThirtyTwoBC
Copperplate ThirtyThreeBC
Coronet Regular
CoronetCE Regular
Courier
CourierCE
Courier Oblique
CourierCE Oblique
Courier Bold
CourierCE Bold
Courier BoldOblique
CourierCE BoldOblique
Eurostile
EurostileCE
Eurostile Bold
EurostileCE Bold
Eurostile ExtendedTwo
EurostileCE ExtendedTwo
Eurostile BoldExtendedTwo
EurostileCE BoldExtendedTwo
Geneva
GenevaCE
GillSans
GillSansCE Roman
GillSans Italic
GillSansCE Italic
GillSans Bold
GillSansCE Bold
GillSans BoldItalic
GillSansCE BoldItalic
GillSans Condensed
GillSansCE Condensed
GillSans BoldCondensed
GillSansCE BoldCondensed
GillSans Light
GillSansCE Light
GillSans LightItalic
GillSansCE LightItalic
GillSans ExtraBold
GillSansCE ExtraBold
Goudy
Goudy Italic
Goudy Bold
Goudy BoldItalic
Goudy ExtraBold

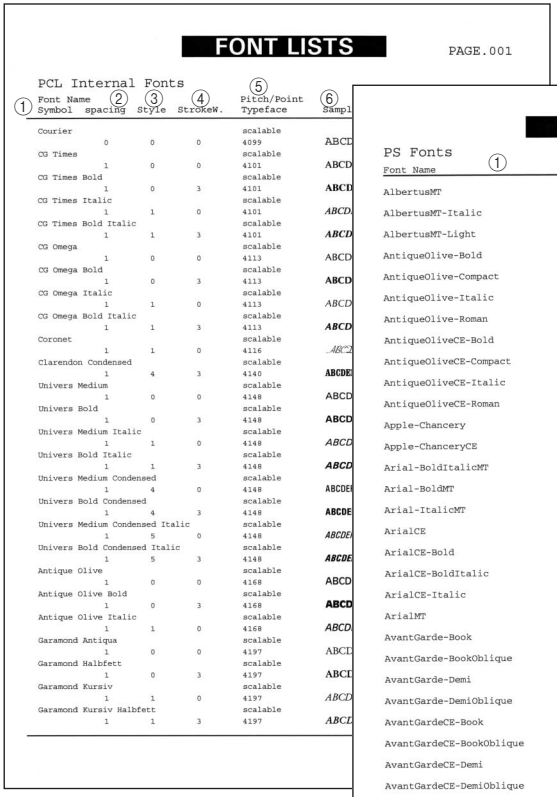
Helvetica
HelveticaCE
Helvetica Oblique
HelveticaCE Oblique
Helvetica Bold
HelveticaCE Bold
Helvetica BoldOblique
HelveticaCE BoldOblique
Helvetica Condensed
HelveticaCE Cond
Helvetica Condensed Oblique
HelveticaCE CondObl
Helvetica Condensed Bold
HelveticaCE CondBold
Helvetica Condensed BoldObl
HelveticaCE CondBoldObl
Helvetica Narrow
HelveticaCE Narrow
Helvetica Narrow Bold
HelveticaCE NarrowBold
Helvetica Narrow BoldOblique
HelveticaCE NarrowBoldOblique
Helvetica Narrow Oblique
HelveticaCE NarrowOblique
HoeflerText Regular
HoeflerTextCE Regular
HoeflerText Italic
HoeflerTextCE Italic
HoeflerText Black
HoeflerTextCE Black
HoeflerText BlackItalic
HoeflerTextCE BlackItalic
HoeflerText Ornaments
JoannaMT
JoannaMTCE
JoannaMT Italic
JoannaMTCE Italic
JoannaMT Bold
JoannaMTCE Bold
JoannaMT BoldItalic
JoannaMTCE BoldItalic
LetterGothic
LetterGothicCE
LetterGothic Slanted
LetterGothicCE Slanted
LetterGothic Bold
LetterGothicCE Bold
LetterGothic BoldSlanted
LetterGothicCE BoldSlanted
LubalinGraph Book
LubalinGraphCE Book
LubalinGraph BookOblique
LubalinGraphCE BookOblique
LubalinGraph Demi
LubalinGraphCE Demi
LubalinGraph DemiOblique
LubalinGraphCE DemiOblique
Marigold
Monaco
MonacoCE
MonaLisa Recut
NewCenturySchlbk Roman
NewCenturySchlbkCE Roman
NewCenturySchlbk Italic
NewCenturySchlbkCE Italic
NewCenturySchlbk Bold
NewCenturySchlbkCE Bold
NewCenturySchlbk BoldItalic
NewCenturySchlbkCE BoldItalic
NewYork
NewYorkCE
Optima
OptimaCE Roman
Optima Italic
OptimaCE Italic
Optima Bold
OptimaCE Bold
Optima BoldItalic
OptimaCE BoldItalic
Oxford
Palatino Roman
PalatinoCE Roman
Palatino Italic
PalatinoCE Italic
Palatino Bold
PalatinoCE Bold
Palatino BoldItalic
PalatinoCE BoldItalic
StempelGaramond Roman
StempelGaramondCE Roman

StempelGaramond Italic
StempelGaramondCE Italic
StempelGaramond Bold
StempelGaramondCE Bold
StempelGaramond BoldItalic
StempelGaramondCE BoldItalic
Symbol
Taffy
Times Roman
TimesCE Roman
Times Italic
TimesCE Italic
Times Bold
TimesCE Bold
Times BoldItalic
TimesCE BoldItalic
TimesNewRomanPSMT
TimesNewRomanCE
TimesNewRomanPS ItalicMT
TimesNewRomanCE Italic
TImesNewRomanPS BoldMT
TimesNewRomanCE Bold
TimesNewRomanPS BoldItalicMT
TimesNewRomanCE BoldItalic
Univers
UniversCE Medium
Univers Oblique
UniversCE Oblique
Univers Bold
UniversCE Bold
Univers BoldOblique
UniversCE BoldOblique
Univers Light
UniversCE Light
Univers LightOblique
Univers CE LightOblique
Univers Condensed
UniversCE Condensed
Univers CondensedOblique
UniversCE CondensedOblique
Univers CondensedBold
UniversCE CondensedBold
Univers Condensed BoldOblique
UniversCE Condensed BoldOblique
Univers Extended
UniversCE Extended
Univers ExtendedObl
UniversCE ExtendedObl
Univers BoldExt
UniversCE BoldExt
Univers BoldExtObl
UniversCE BoldExtObl
Wingdings Regular
ZapfChancery MediumItalic
ZapfChanceryCE MediumItalic
ZapfDingbats

Checking the Font Lists for Available Fonts

Font lists are a comprehensive listing of all fonts currently available. The listing contains both the names of resident fonts, and the names of the fonts stored on any external hard disk that may be present.

PCL FONT LISTS



FONT LISTS PAGE.001

PCL Internal Fonts

① Font Name Symbol	② spacing	③ Style	④ StrokeW.	⑤ Pitch/Point Typeface	⑥ Sampl
Courier	0	0	0	scalable 4099	ABCD
CG Times	1	0	0	scalable 4101	ABCD
CG Times Bold	1	0	3	scalable 4101	**ABCD**
CG Times Italic	1	1	0	scalable 4101	*ABCD*
CG Times Bold Italic	1	1	3	scalable 4101	***ABCD***
CG Omega	1	0	0	scalable 4113	ABCD
CG Omega Bold	1	0	3	scalable 4113	**ABCD**
CG Omega Italic	1	1	0	scalable 4113	*ABCD*
CG Omega Bold Italic	1	1	3	scalable 4113	***ABCD***
Coronet	1	1	0	scalable 4116	*ABCD*
Clarendon Condensed	1	4	3	scalable 4140	**ABCDE**
Univers Medium	1	0	0	scalable 4148	ABCD
Univers Bold	1	0	3	scalable 4148	**ABCD**
Univers Medium Italic	1	1	0	scalable 4148	*ABCD*
Univers Bold Italic	1	1	3	scalable 4148	***ABCD***
Univers Medium Condensed	1	4	0	scalable 4148	ABCDE
Univers Bold Condensed	1	4	3	scalable 4148	**ABCDE**
Univers Medium Condensed Italic	1	5	0	scalable 4148	*ABCDE*
Univers Bold Condensed Italic	1	5	3	scalable 4148	***ABCDE***
Antique Olive	1	0	0	scalable 4168	ABCD
Antique Olive Bold	1	0	3	scalable 4168	**ABCD**
Antique Olive Italic	1	1	0	scalable 4168	*ABCD*
Garamond Antiqua	1	0	0	scalable 4197	ABCD
Garamond Halbfett	1	0	3	scalable 4197	**ABCD**
Garamond Kursiv	1	1	0	scalable 4197	*ABCD*
Garamond Kursiv Halbfett	1	1	3	scalable 4197	***ABCD***

PS FONT LISTS

FONT LISTS PAGE.001

PS Fonts

① Font Name	⑥ Sample
AlbertusMT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
AlbertusMT-Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
AlbertusMT-Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ
AntiqueOlive-Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
AntiqueOlive-Compact	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
AntiqueOlive-Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
AntiqueOlive-Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
AntiqueOliveCE-Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
AntiqueOliveCE-Compact	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
AntiqueOliveCE-Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
AntiqueOliveCE-Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Apple-Chancery	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Apple-ChanceryCE	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Arial-BoldItalicMT	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Arial-BoldMT	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Arial-ItalicMT	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
ArialCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
ArialCE-Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
ArialCE-BoldItalic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
ArialCE-Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
ArialMT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
AvantGarde-Book	ABCDEFGHIJKLMNOPQRSTUVWXYZ
AvantGarde-BookOblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
AvantGarde-Demi	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
AvantGarde-DemiOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
AvantGardeCE-Book	ABCDEFGHIJKLMNOPQRSTUVWXYZ
AvantGardeCE-BookOblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
AvantGardeCE-Demi	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
AvantGardeCE-DemiOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Bodoni	ABCDEFGHIJKLMNOPQRSTUVWXYZ

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The Font List includes the following information:

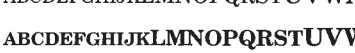
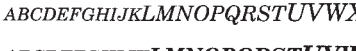
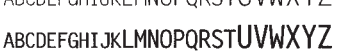
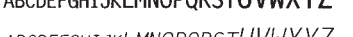
①	**Font/Symbol Set***	The typeface name and the symbol set.
②	**Spacing**	This indicates whether a font is a fixed-size, non-proportional font (0) or a proportional font (1).
③	**Style**	Upright (straight) characters or italic (slanted) characters.
④	**Stroke Weight**	The stroke weight of the characters in the font.
⑤	**Pitch/Point Size**	The pitch and point size. For a scalable font, Scale is displayed. The vertical distance in points from the top of capital letters to the tail of the letter "y."
⑥	**Print Sample**	A print sample of the font.

* If the font supports more than one symbol set, a command parameter (indicated with xY or xM) will not be shown.

Standard Scalable Fonts (PCL)

Courier	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Times	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Times Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
CG Times Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
CG Times Bold Italic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
CG Omega	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CG Omega Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
CG Omega Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
CG Omega Bold Italic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Coronet	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Clarendon Condensed	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Univers Medium	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Univers Medium Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Univers Bold Italic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Univers Medium Condensed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Bold Condensed	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Univers Medium Condensed Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Univers Bold Condensed Italic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Antique Olive	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Antique Olive Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Antique Olive Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Garamond Antiqua	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Garamond Halbfett	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Garamond Kursiv	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Garamond Kursiv Halbfett	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*

Marigold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Albertus Medium	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Albertus Extra Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Arial	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Arial Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Arial Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Arial Bold Italic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Times New	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Times New Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Times New Italic	ABCDEFGHIJK*LMNOPQRSTUVWXYZ*
Times New Bold Italic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Helvetica	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Helvetica Oblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Helvetica Bold Oblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Helvetica Narrow	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Narrow Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Helvetica Narrow Oblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Helvetica Narrow Bold Oblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Palatino Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Palatino Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Palatino Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Palatino Bold Italic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
ITC Avant Garde Gothic Book	ABCDEFGHIJKLMNOPQRSTUVWXYZ
ITC Avant Garde Gothic Demi	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
ITC Avant Garde Gothic Book Oblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*

ITC Avant Garde Gothic Demi Oblique	
ITC Bookman Light	
ITC Bookman Demi	
ITC Bookman Light Italic	
ITC Bookman Demi Italic	
New Century Schoolbook Roman	
New Century Schoolbook Bold	
New Century Schoolbook Italic	
New Century Schoolbook Bold Italic	
Times Roman	
Times Bold	
Times Italic	
Times Bold Italic	
ITC Zapf Chancery Medium Italic	
Symbol	
SymbolPS	
Wingdings	
ITC Zapf Dingbats	
Courier Bold	
Courier Italic	
Courier Bold Italic	
Letter Gothic	
Letter Gothic Bold	
Letter Gothic Italic	
CourierPS	
CourierPS Bold	
CourierPS Oblique	
CourierPS Bold Oblique	

Bar Code Scalable Fonts (PCL)

BC 3 of 9 Thin

BC 3 of 9 Light

BC 3 of 9

BC 3 of 9 Semi

BC 3 of 9 Heavy

Code 128

Code 128 Bold

Code 128 Condensed

Code 128 Condensed Bold

Code 128 Expanded

Code 128 Expanded Bold

Interleaved 2 of 5 Light

Interleaved 2 of 5

Interleaved 2 of 5 Semi

Interleaved 2 of 5 Bold

Interleaved 2 of 5 Narrow Light

Interleaved 2 of 5 Narrow

Interleaved 2 of 5 Narrow Semi

Interleaved 2 of 5 Narrow Bold

UPC/EAN

UPC/EAN Bold

UPC/EAN Condensed

UPC/EAN Condensed Bold

UPC/EAN Expanded

UPC/EAN Expanded Bold

Codabar

Codabar Condenced

Codabar Expanded

MSI/Plessey

PostNet

OCR Code Scalable Fonts (PCL)

OCR A	ABCDEFGHIJKLMNOPQRSTUVWXYZ
OCR B	ABCDEFGHIJKLMNOPQRSTUVWXYZ

Bitmapped Fonts (PCL)

Line Printer	ABCDEFGHIJKíóúñÑªº¿⌐¬½¼¡«»
Line Printer	ABCDEFGHIJKÀÂÈÊËÏÎÝ´ˆ˜¨ÙÛ£
Line Printer	ABCDEFGHIJK¡¢£¤¥¦§¨©ª«¬®¯
Line Printer	ABCDEFGHIJKíóúñÑõÕ¿ãÃØn¡³¤
Line Printer	ABCDEFGHIJKíóúñÑªº¿®¬½¼¡«»
Line Printer	ABCDEFGHIJK
Line Printer	ABCDEFGHIJKĄ˘Ł¤ĽŚ§¨ŠŞŤŹ-Žż
Line Printer	ABCDEFGHIJK¡¢£¤¥¦§¨©ª«¬®¯
Line Printer	ABCDEFGHIJKĄĚĢĮĪĶĶŞĻĐŠŤŽ-ŪŊ
Line Printer	ABCDEFGHIJK¡¢£€¥¦§¨©ª«¬®¯

PS Fonts

AlbertusMT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
AlbertusMT Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
AlbertusMT Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ
AntiqueOlive Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
AntiqueOliveCE Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
AntiqueOlive Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
AntiqueOliveCE Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
AntiqueOlive Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
AntiqueOliveCE Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
AntiqueOlive Compact	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
AntiqueOliveCE Compact	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Apple Chancery	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Apple ChanceryCE	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
ArialMT	ABCDEFGHIJKLMNOPQRSTUVWXYZ
ArialCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Arial ItalicMT	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
ArialCE Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Arial BoldMT	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
ArialCE Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Arial BoldItalicMT	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
ArialCE BoldItalic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
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AvantGardeCE Book	ABCDEFGHIJKLMNOPQRSTUVWXYZ
AvantGarde BookOblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
AvantGardeCE BookOblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
AvantGarde Demi	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
AvantGardeCE Demi	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
AvantGarde DemiOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***

AvantGardeCE DemiOblique	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Bodoni	ABCDEFGHIJKLMNOPQRSTUVWXYZ
BodoniCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Bodoni Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
BodoniCE Italic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Bodoni Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
BodoniCE Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Bodoni BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
BodoniCE BoldItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Bodoni Poster	ABCDEFGHIJKLMNOPQRSTUVWXYZ
BodoniCE Poster	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Bodoni PosterCompressed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
BodoniCE PosterCompressed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Bookman Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ
BookmanCE Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Bookman LightItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
BookmanCE LightItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Bookman Demi	ABCDEFGHIJKLMNOPQRSTUVWXYZ
BookmanCE Demi	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Bookman DemiItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
BookmanCE DemiItalic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Candid	✱♪▟▲☆♞▂⬠✝▯⛪∴⬭▽⛃❀◤◎▔♟♣♿
Chicago	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Chicago CE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Clarendon	ABCDEFGHIJKLMNOPQRSTUVWXYZ
ClarendonCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Clarendon Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ
ClarendonCE Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ

Clarendon Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
ClarendonCE Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
CooperBlack	ABCDEFGHIJKLMNOPQRSTUVWXYZ
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Copperplate ThirtyThreeBC	ABCDEFGHIJKLMNOPQRSTUVWXYZ
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EurostileCE ExtendedTwo	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Eurostile BoldExtendedTwo	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
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Geneva	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GenevaCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSans	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSansCE Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ

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GillSansCE Condensed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
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GillSansCE BoldCondensed	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
GillSans Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ
GillSansCE Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ
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GillSansCE LightItalic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
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GillSansCE ExtraBold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Goudy	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Goudy Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
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HelveticaCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
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HelveticaCE Oblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
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HelveticaCE BoldOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
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HelveticaCE Cond	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Helvetica Condensed Oblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
HelveticaCE CondObl	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
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HelveticaCE CondBold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Helvetica Condensed BoldObl	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
HelveticaCE CondBoldObl	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
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HelveticaCE Narrow	ABCDEFGHIJKLMNOPQRSTUVWXYZ
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HelveticaCE NarrowBold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Helvetica Narrow BoldOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
HelveticaCE Narrow BoldOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Helvetica Narrow Oblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
HelveticaCE NarrowOblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
HoeflerText Regular	ABCDEFGHIJKLMNOPQRSTUVWXYZ
HoeflerTextCE Regular	ABCDEFGHIJKLMNOPQRSTUVWXYZ
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HoeflerText Ornaments	
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JoannaMTCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ

JoannaMT Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
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LetterGothic	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothicCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothic Slanted	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
LetterGothicCE Slanted	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
LetterGothic Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothicCE Bold	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LetterGothic BoldSlanted	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
LetterGothicCE BoldSlanted	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
LubalinGraph Book	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LubalinGraphCE Book	ABCDEFGHIJKLMNOPQRSTUVWXYZ
LubalinGraph BookOblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
LubalinGraphCE BookOblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
LubalinGraph Demi	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
LubalinGraphCE Demi	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
LubalinGraph DemiOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
LubalinGraphCE DemiOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
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Monaco	ABCDEFGHIJKLMNOPQRSTUVWXYZ
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NewYork	ABCDEFGHIJKLMNOPQRSTUVWXYZ
NewYorkCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Optima	ABCDEFGHIJKLMNOPQRSTUVWXYZ
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Optima Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
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Optima BoldItalic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
OptimaCE BoldItalic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Oxford	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
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PalatinoCE Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Palatino Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
PalatinoCE Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Palatino Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
PalatinoCE Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Palatino BoldItalic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
PalatinoCE BoldItalic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
StempelGaramond Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
StempelGaramondCE Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
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StempelGaramondCE Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
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StempelGaramondCE BoldItalic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Symbol	ΑΒΧΔΕΦΓΗΙϑΚΛΜΝΟΠΘΡΣΤΥςΩΞΨΖ
Taffy	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Times Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
TimesCE Roman	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Times Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
TimesCE Italic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Times Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
TimesCE Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Times BoldItalic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
TimesCE BoldItalic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
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TimesNewRomanCE	ABCDEFGHIJKLMNOPQRSTUVWXYZ
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TImesNewRomanPS BoldMT	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
TimesNewRomanCE Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
TimesNewRomanPS BoldItalicMT	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
TimesNewRomanCE BoldItalic	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Univers	ABCDEFGHIJKLMNOPQRSTUVWXYZ
UniversCE Medium	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers Oblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
UniversCE Oblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Univers Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**

UniversCE Bold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Univers BoldOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
UniversCE BoldOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Univers Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ
UniversCE Light	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers LightOblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
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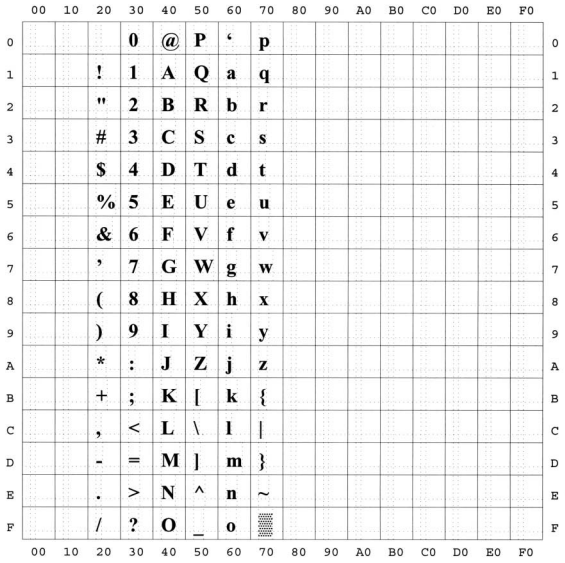
UniversCE Condensed	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers CondensedOblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
UniversCE CondensedOblique	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Univers CondensedBold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
UniversCE CondensedBold	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Univers CondensedBoldOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
UniversCE CondensedBoldOblique	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Univers Extended	ABCDEFGHIJKLMNOPQRSTUVWXYZ
UniversCE Extended	ABCDEFGHIJKLMNOPQRSTUVWXYZ
Univers ExtendedObl	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
UniversCE ExtendedObl	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
Univers BoldExt	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
UniversCE BoldExt	**ABCDEFGHIJKLMNOPQRSTUVWXYZ**
Univers BoldExtObl	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
UniversCE BoldExtObl	***ABCDEFGHIJKLMNOPQRSTUVWXYZ***
Wingdings Regular	✌✍☜☞☝✋☺😐☹💣☠⚐✈☼❄✞✠✡✡☪
ZapfChancery MediumItalic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
ZapfChanceryCE MediumItalic	*ABCDEFGHIJKLMNOPQRSTUVWXYZ*
ZapfDingbats	✡✢✣✤✥✦✧★☆✪☆★★★☆✱✲✳✴✵✶✷✸

ASCII



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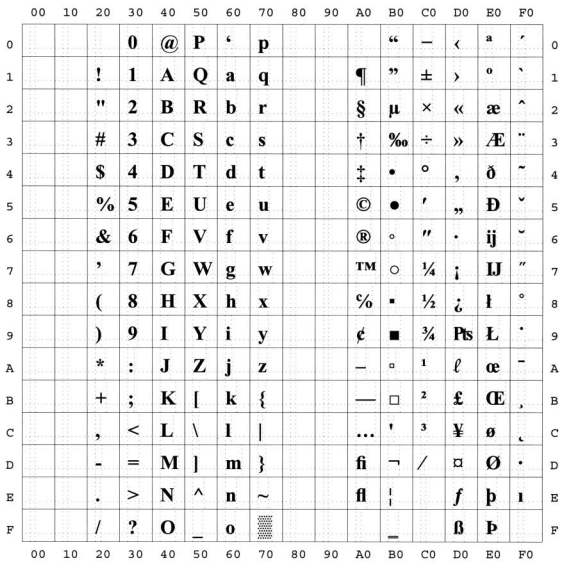
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0 0 ! " # $ % & ' ( ) * + , - . /
1 0 1 2 3 4 5 6 7 8 9 : ; < = > ?
2 @ A B C D E F G H I J K L M N O
3 P Q R S T U V W X Y Z [\ ] ^ _
4 ‘ a b c d e f g h i j k l m n o
5 p q r s t u v w x y z { | } ~ ▒
6 “ – ‹ ª ´ ¡ ¿ À Ã Ê Ì Ñ Õ Ø ß ã ê ì ñ õ ø þ
7 ” ± › º ` ¢ Á Ä Ë Í Ò Ö Ù à á ä ë í ò ö ù ÿ
8 § µ × « æ ^ £ Â Å È Î Ó × Ü â å è î ó ÷ ü Ł
9 † ‰ ÷ » Æ ¨ ¥ Ç É Ï Ô Ø Ý ç é ï ô ø ý ł
A ‡ • ° , ð ~ ƒ Ê Ñ Ð Õ Þ ê ñ ð õ þ ¡ ¿
B © ● ′ „ Đ ˇ ¤ Ë Ò Ñ Ö ß ë ò ñ ö ÿ ¢ ¡
C ® ◦ ″ · ij ˘ ‘ Ì Ó Ò Ø à ì ó ò ø ‘ £
D ™ ○ ¼ ¡ IJ ˝ “ Í Ô Ó Ù á í ô ó ù “ ¥
E % ▪ ½ ¿ ł ° ’ Î Õ Ô Ú â î õ ô ú ’ ƒ
F ¢ ■ ¾ Pts Ł · ‚ Ï Ö Õ Û ã ï ö õ û ‚ §
A – ▫ ¹ ℓ œ ¯ „ Ð × Ø Ü ä ð ÷ ø ü „ ¤
B — □ ² £ Œ ¸ … Ñ Ù Ö Ý å ñ ù ö ý …
C … ’ ³ ¥ ø ˛ † Ò Ú × Þ æ ò ú ÷ þ †
D fi ¬ ⁄ ¤ Ø • ‡ Ó Û Ø ß ç ó û ø ÿ ‡
E fl ¦ f þ ı ‹ ° Ô Ü Ù à è ô ü ù ‹ ·
F / ? O _ o ▒ _ ß Þ › ¸ Õ Ý Ú á é õ ý ú › ¸
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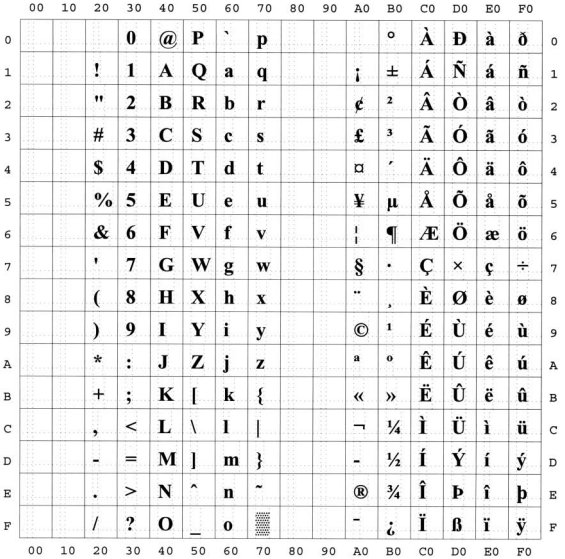
ISO 8859-1 Latin 1



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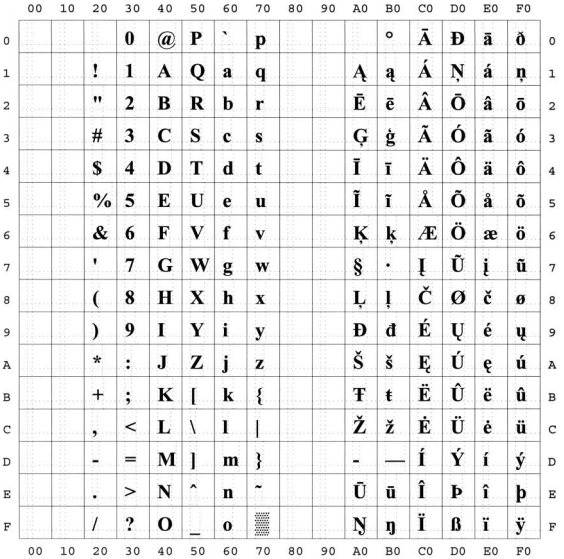

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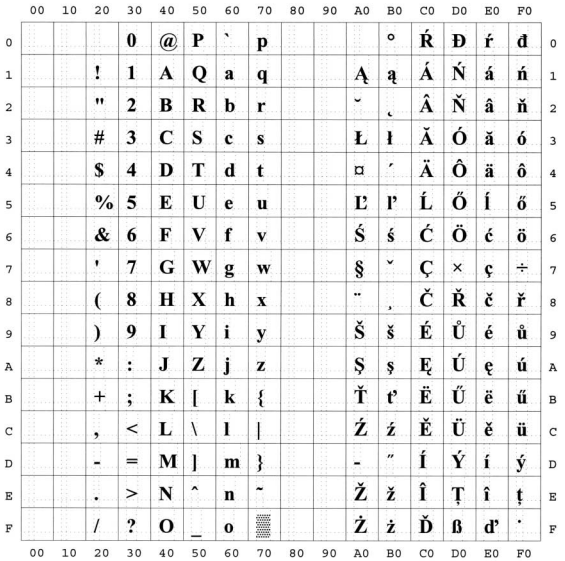

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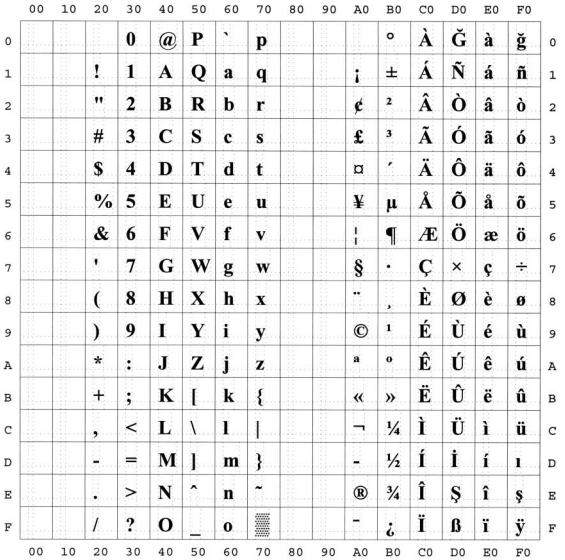
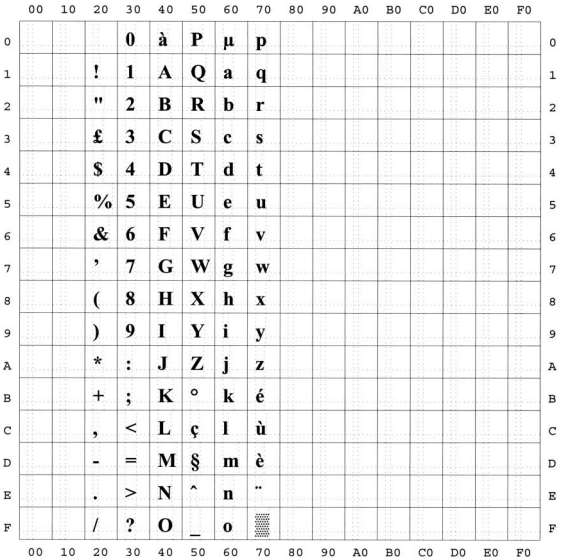


ISO French



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1			!	1	A	Q	a	q									1
2			"	2	B	R	b	r									2
3			£	3	C	S	c	s									3
4			$	4	D	T	d	t									4
5			%	5	E	U	e	u									5
6			&	6	F	V	f	v									6
7			’	7	G	W	g	w									7
8			(	8	H	X	h	x									8
9			)	9	I	Y	i	y									9
A			*	:	J	Z	j	z									A
B			+	;	K	°	k	é									B
C			,	<	L	ç	l	ù									C
D			-	=	M	§	m	è									D
E			.	>	N	^	n	¨									E
F			/	?	O	_	o	▒									F
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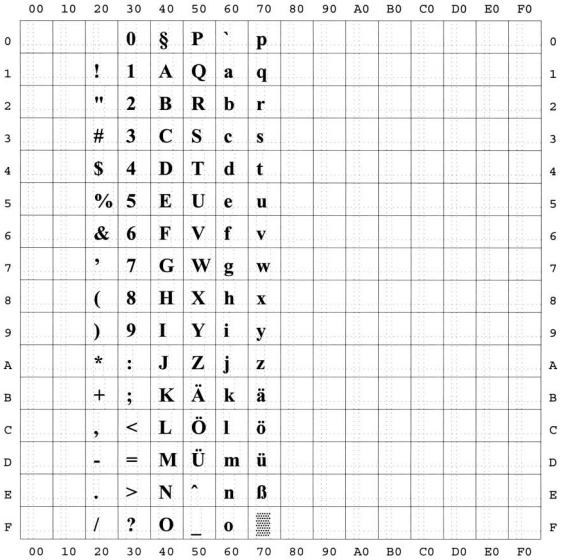
ISO German



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2			"	2	B	R	b	r									2
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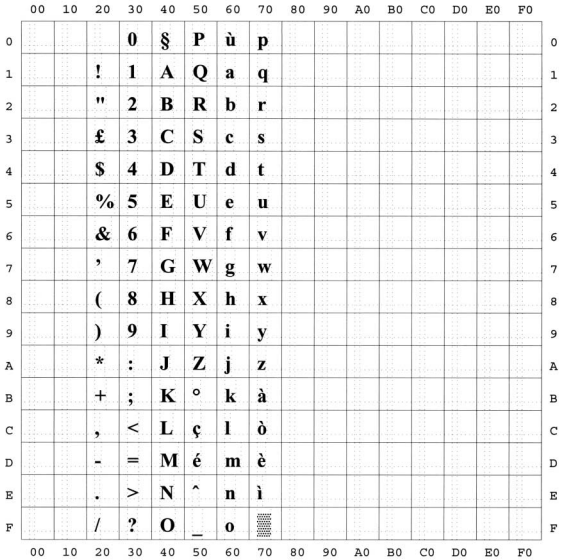
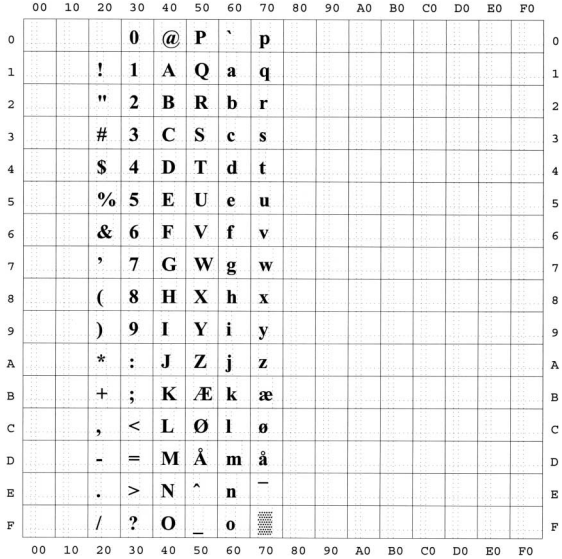
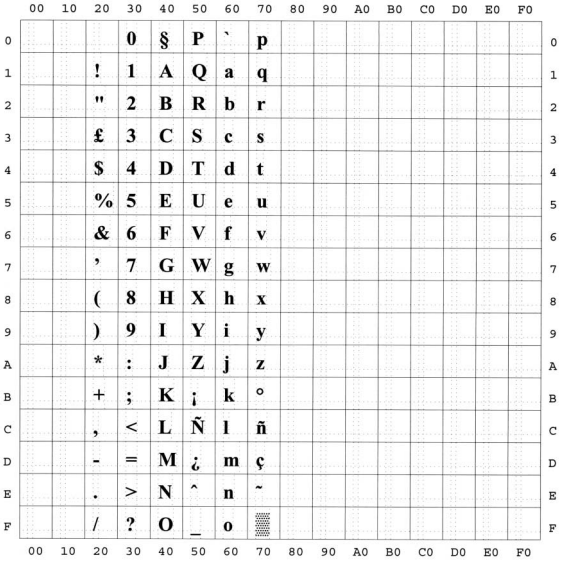
ISO Italian



ISO Norwegian



ISO Spanish



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ISO Swedish

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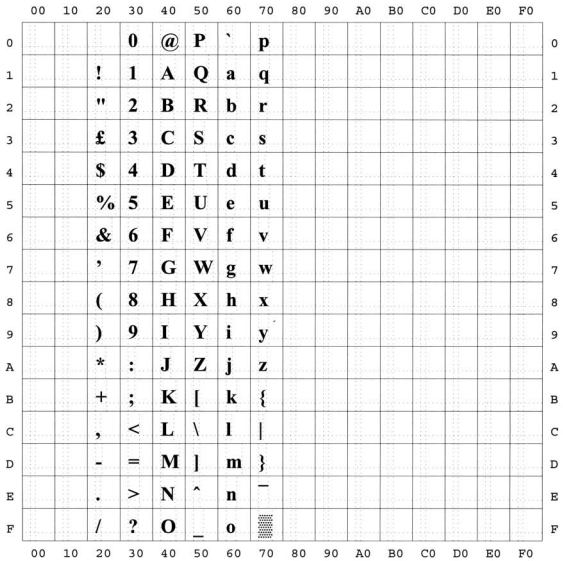
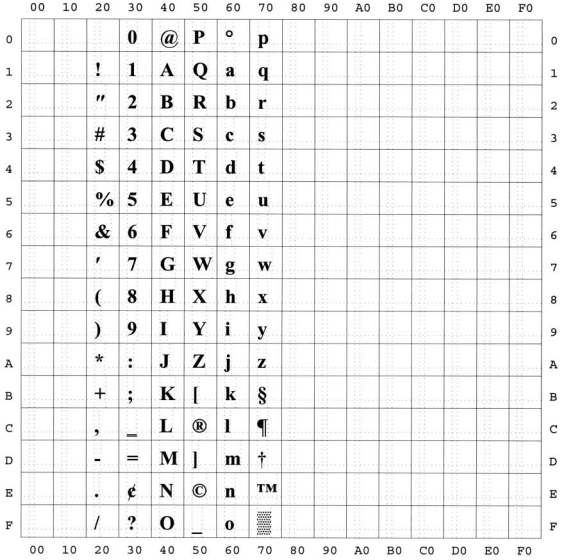
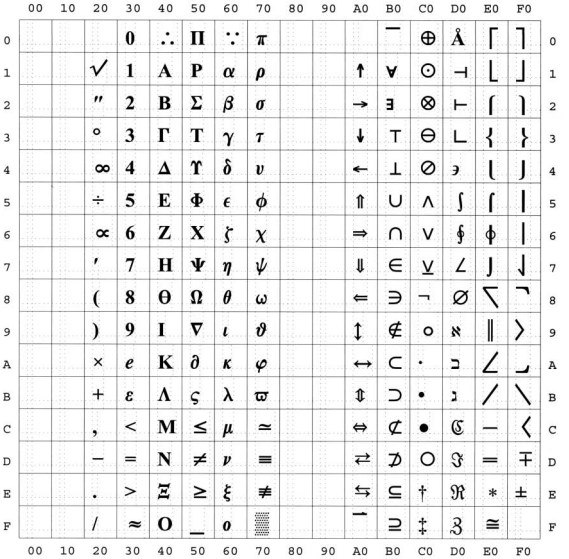
ISO United Kingdom



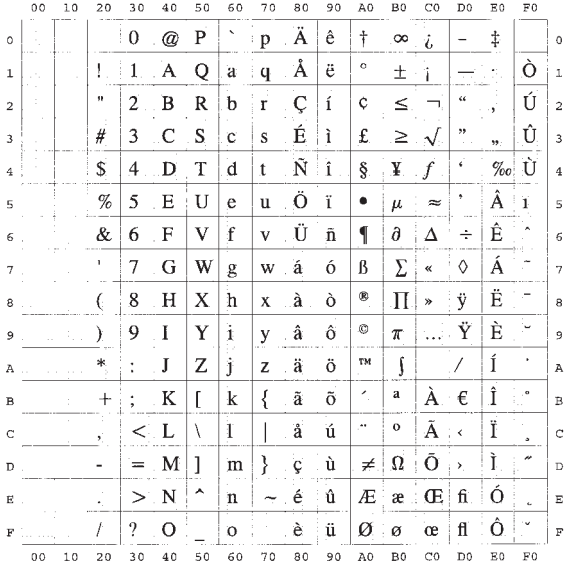
Legal



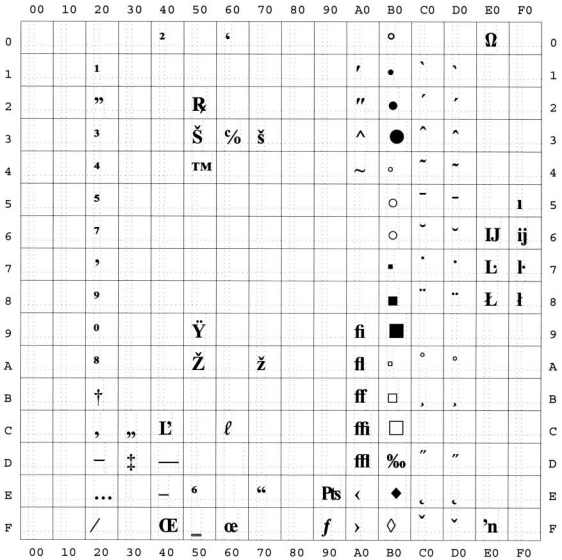
Math-8



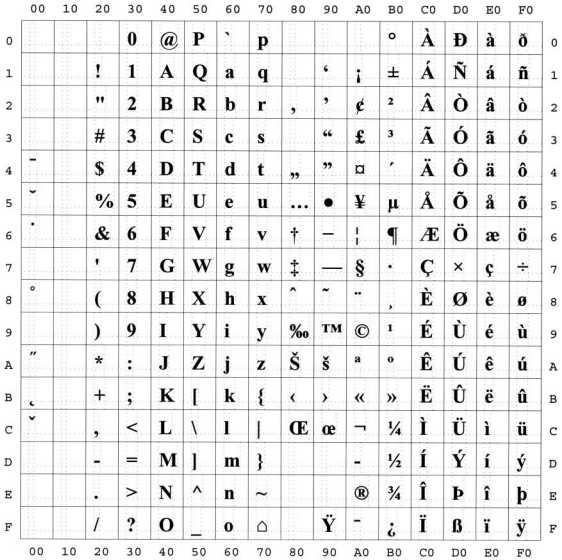
MC Text



Microsoft Publishing



PC-1004



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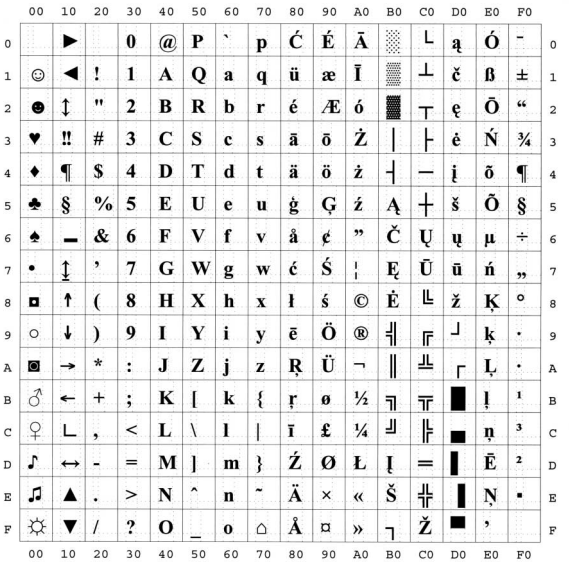

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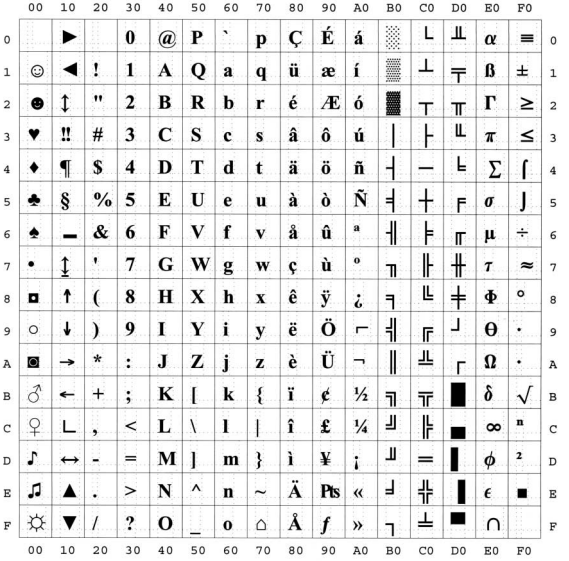

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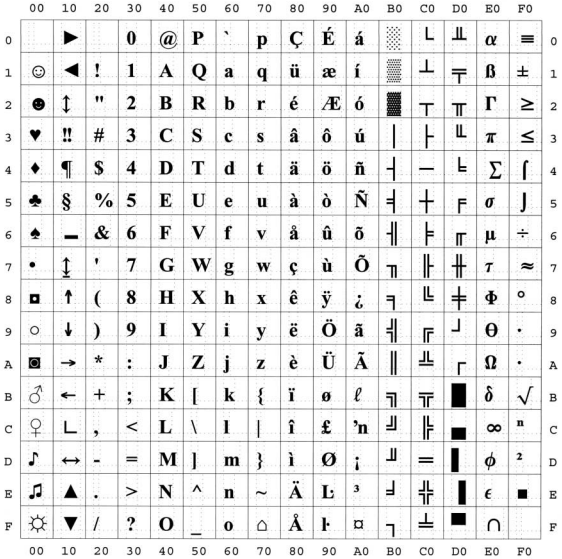

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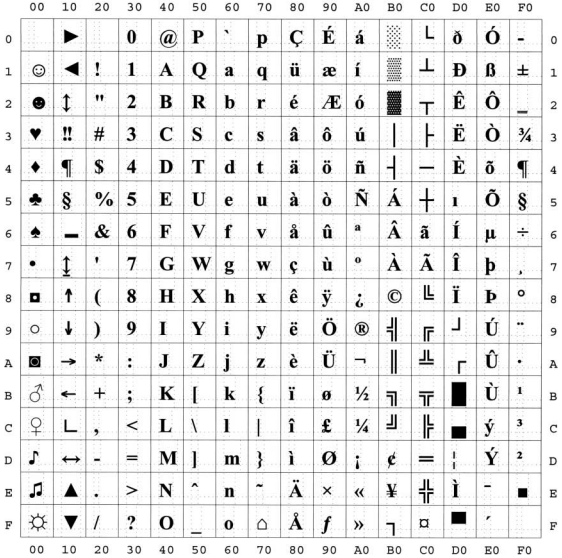

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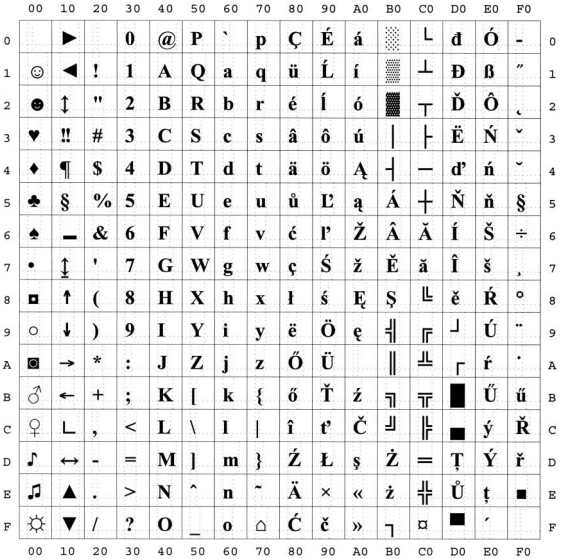

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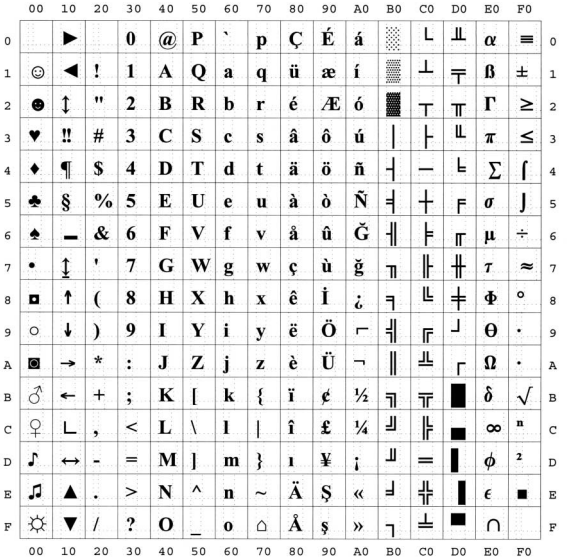

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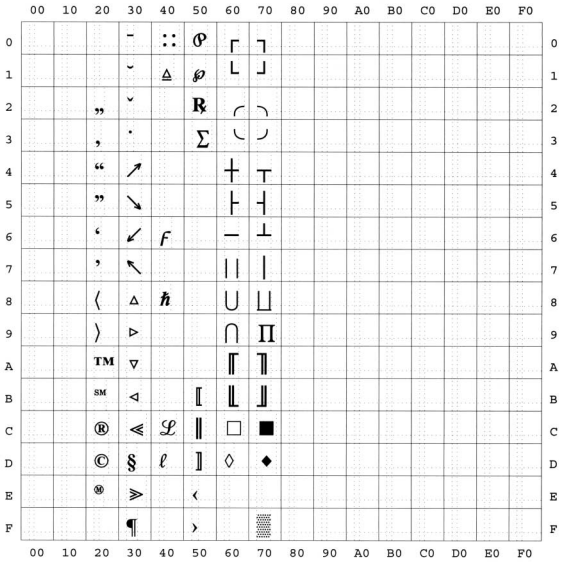

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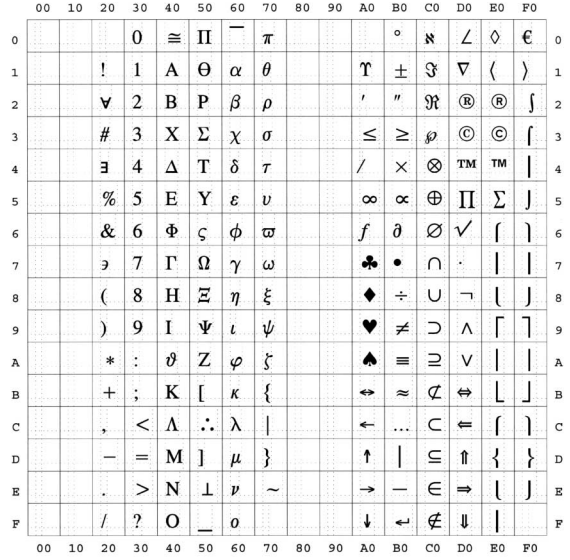

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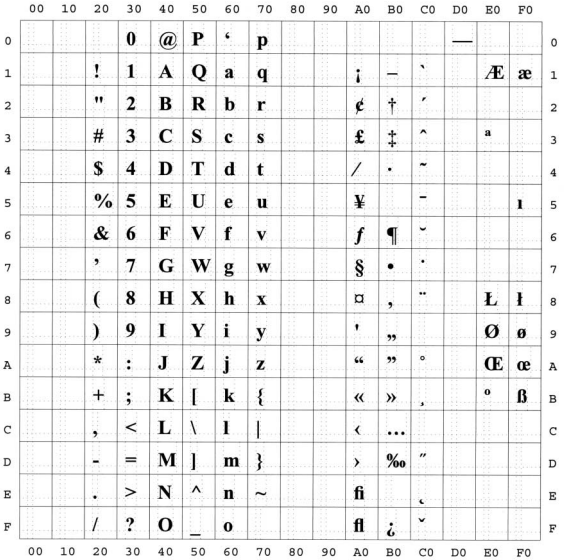
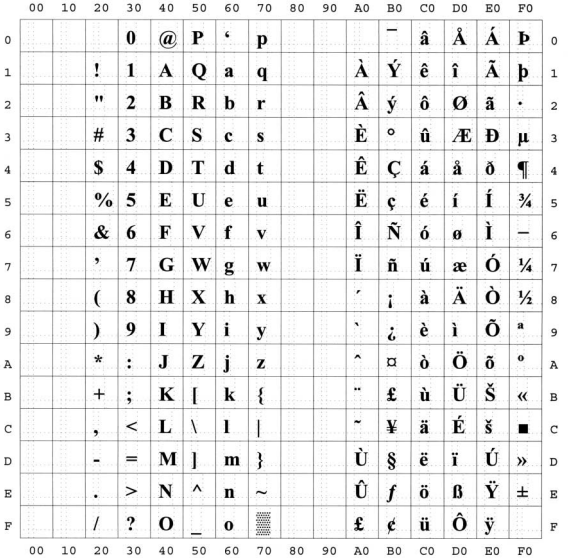


Roman-8



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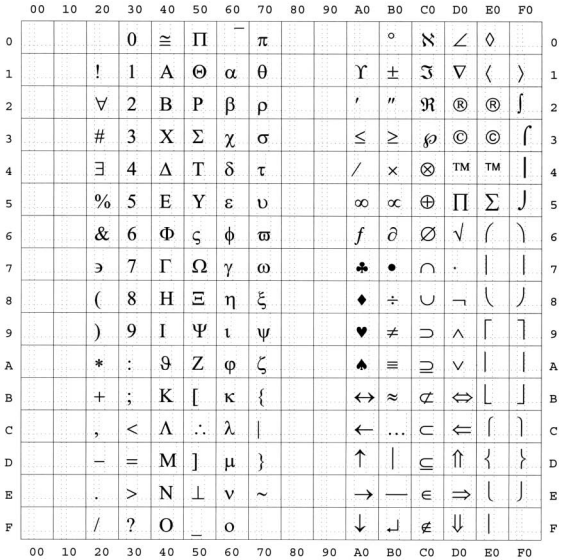
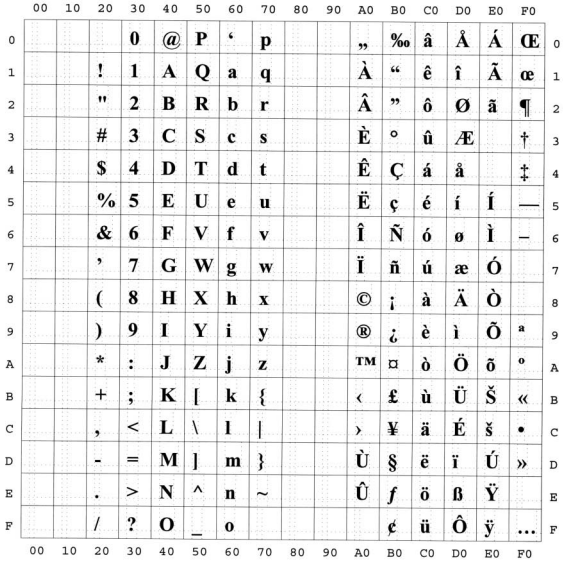
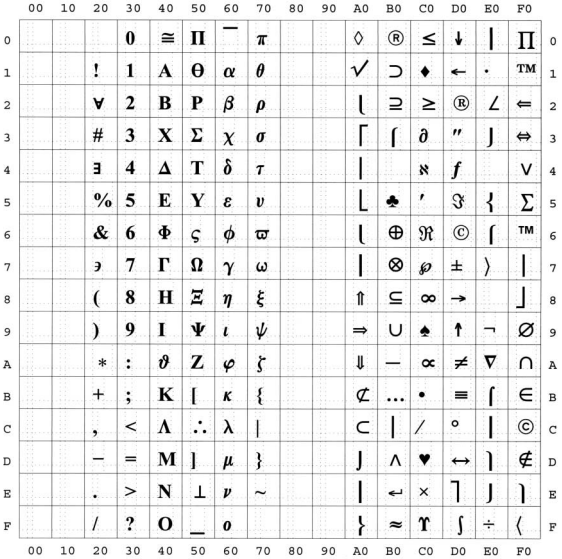


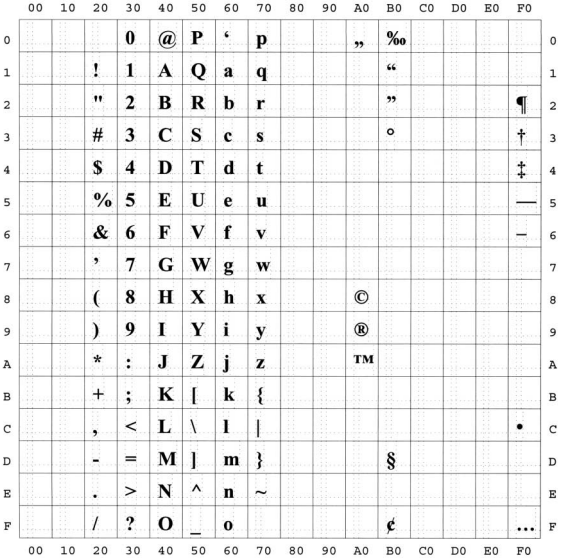
Ventura International



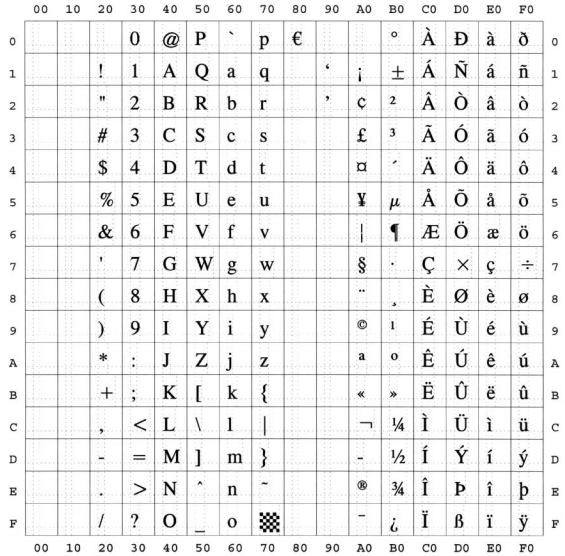
Ventura Math



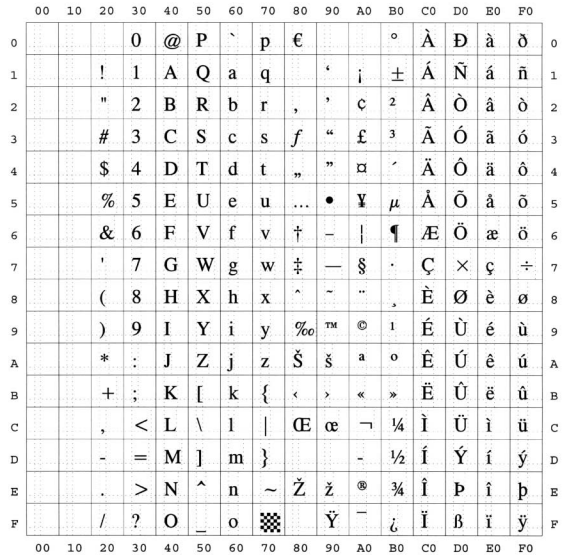
Ventura US



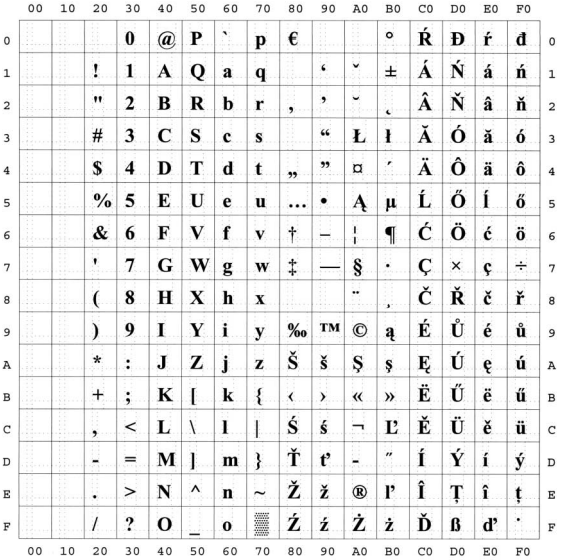
Windows 3.0 Latin 1



Windows 3.1 Latin 1



Windows 3.1 Latin 2



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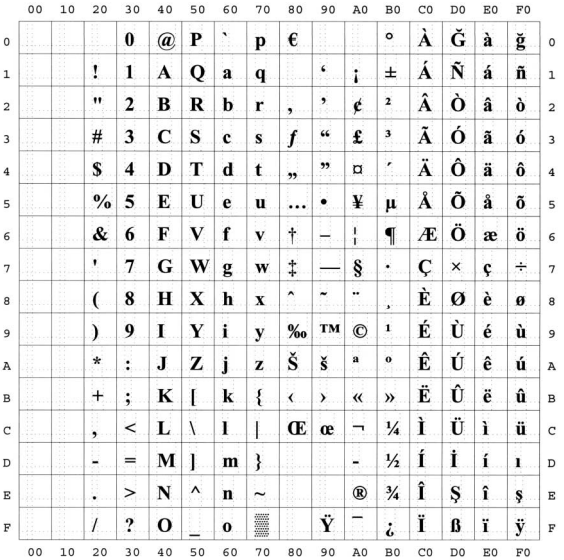
Windows 3.1 Latin 5



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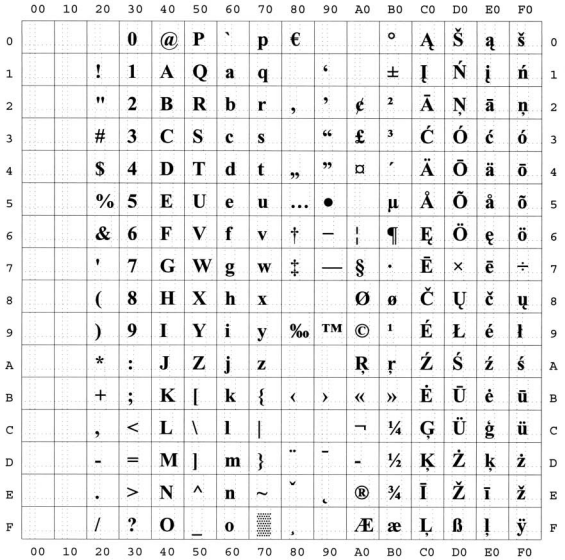
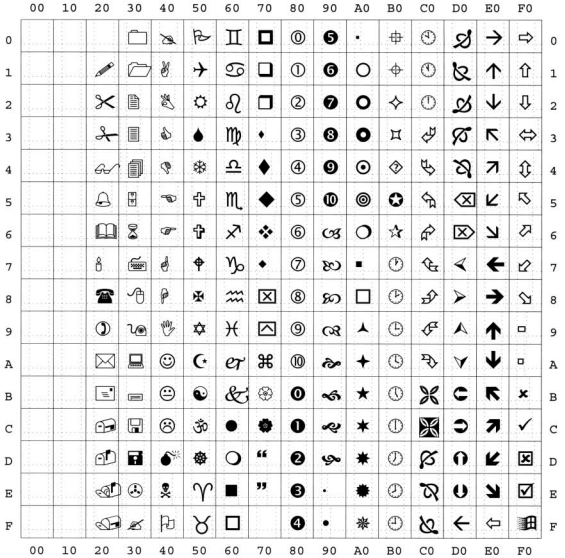
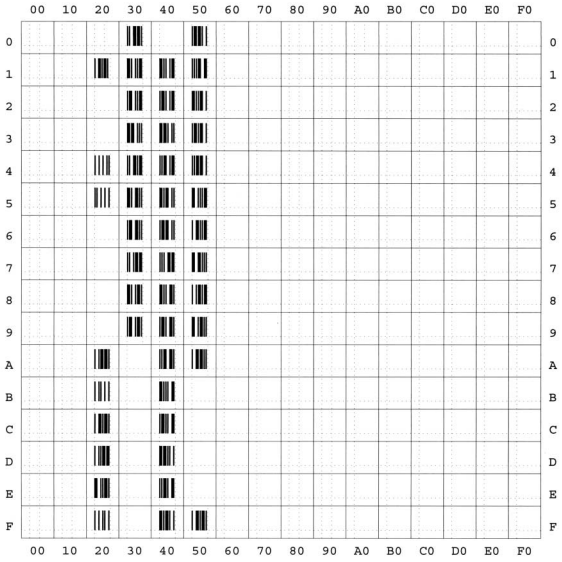
Windows Baltic



Wingdings



3 of 9 Barcode



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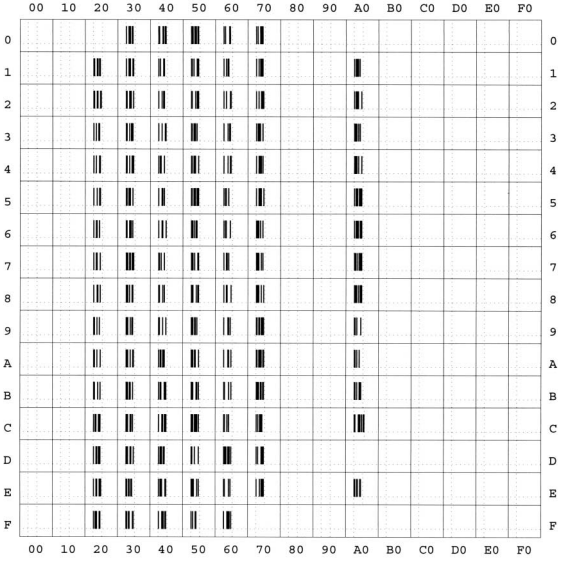
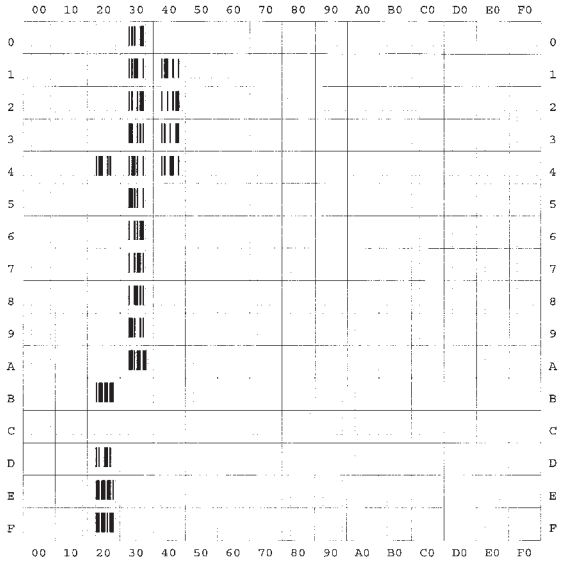


CODABAR



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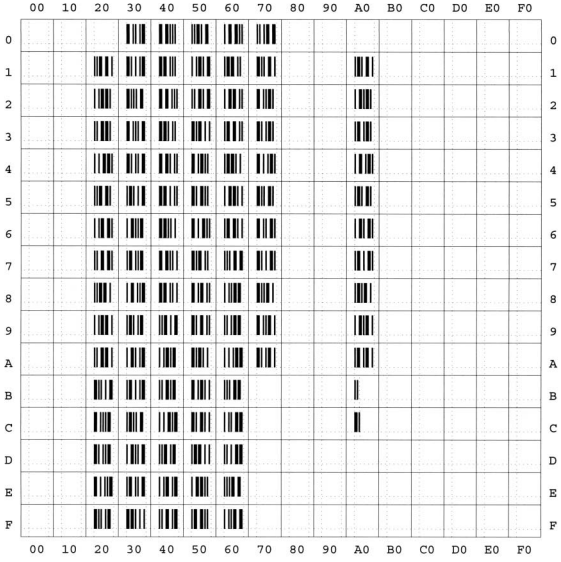
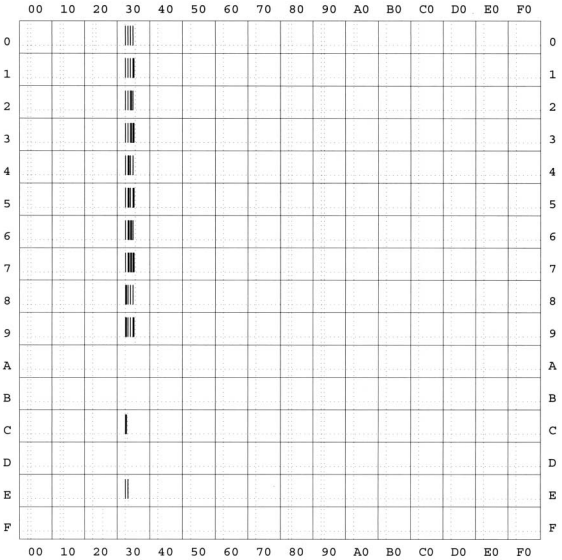


MSI / Plessey



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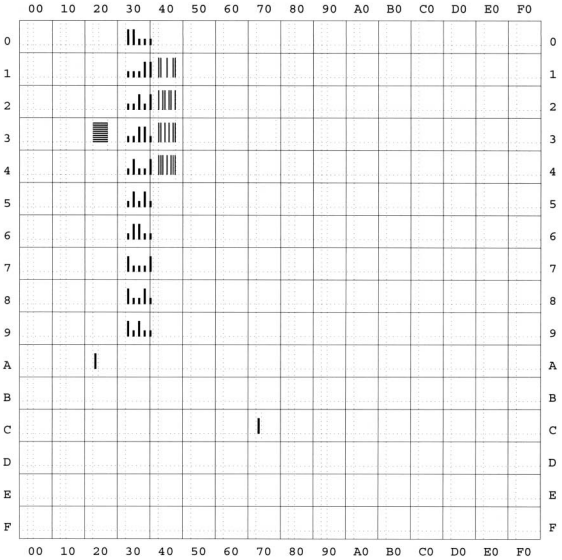
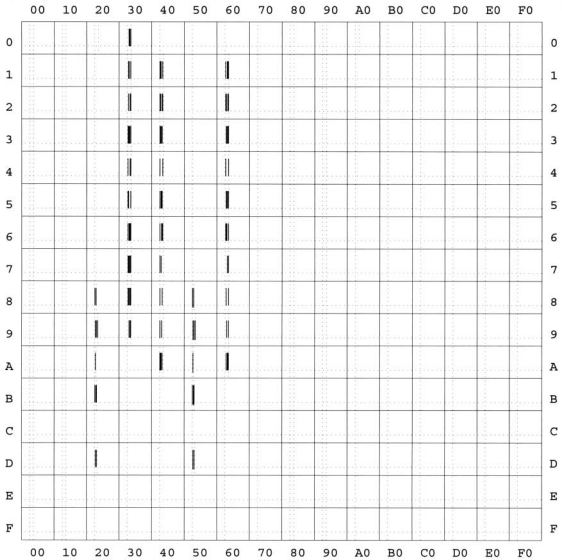


UPC / EAN barcode



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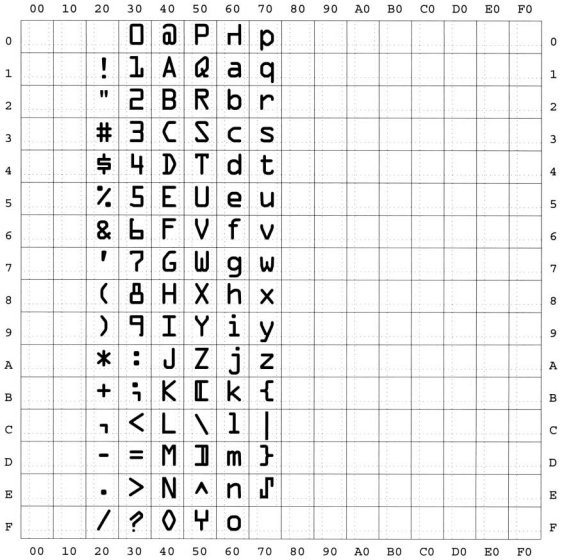

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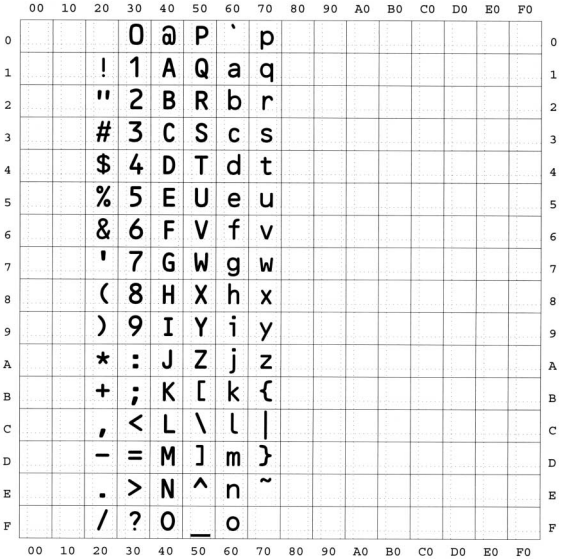
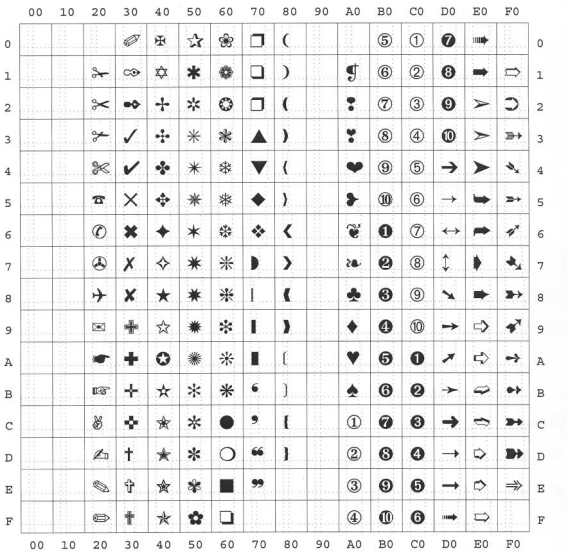
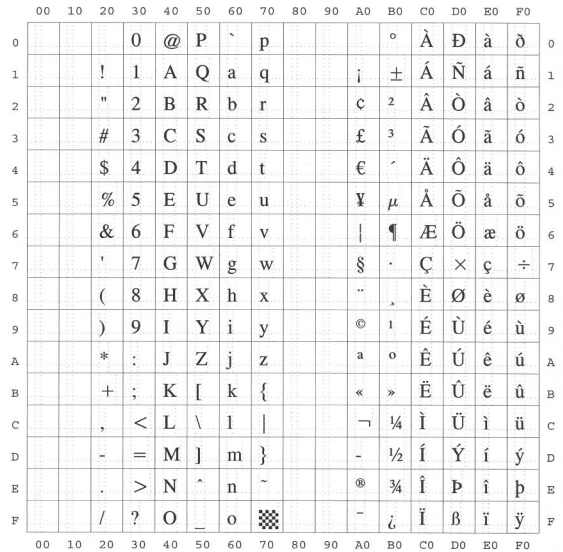


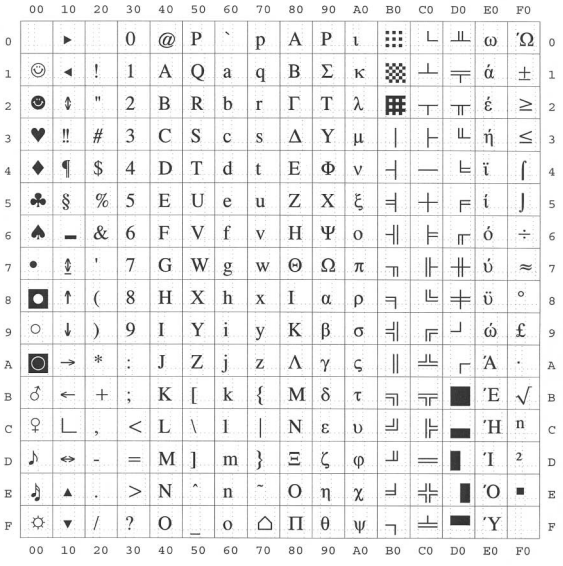
Dingbats



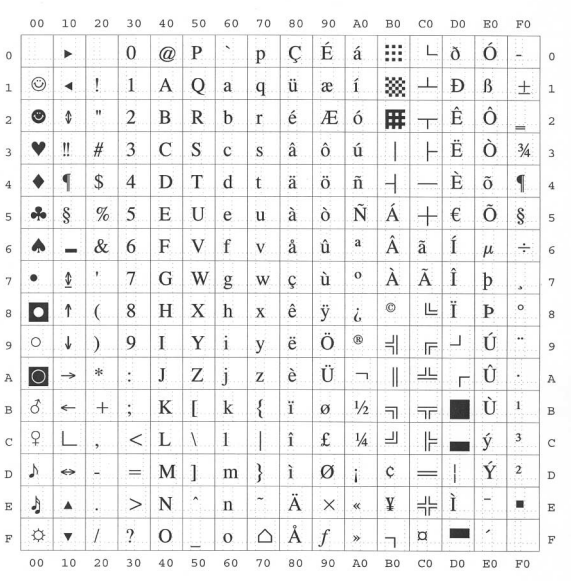
ISO Latin 9



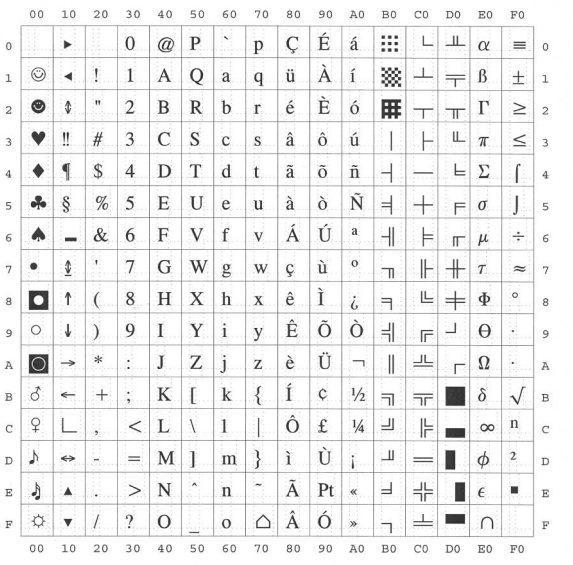
PC-8 Greek CP437



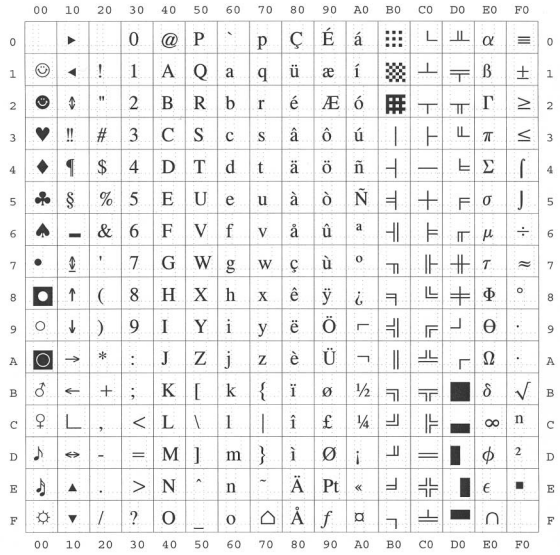
PC-858



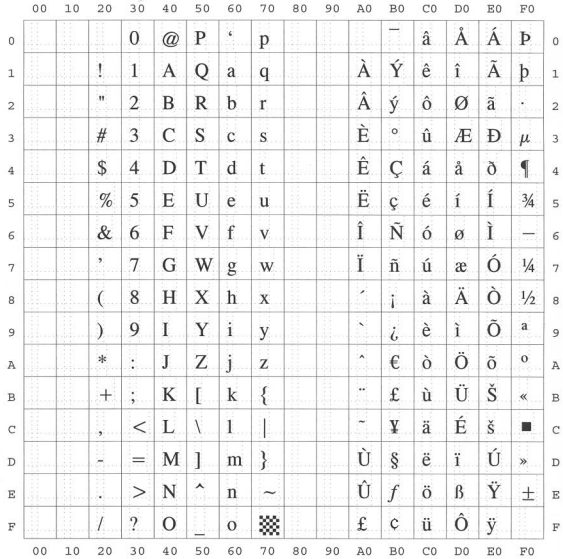
PC-860



PC-865

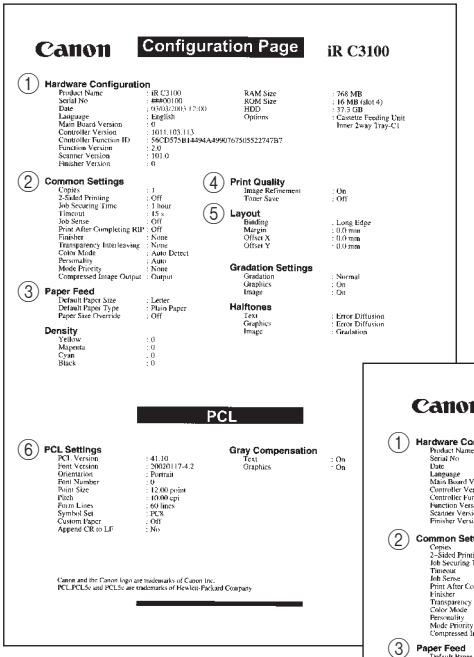


Roman 9



Configuration Page Sample

PCL Configuration Page



Canon Configuration Page iR C3100

1 Hardware Configuration

Product Name	: iR C3100	RAM Size	: 768 MB
Serial No	: ####0100	ROM Size	: 16 MB (slot 4)
Date	: 03/03/2003 12:00	HDD	: 37.3 GB
Language	: English	Options	: Cassette Feeding Unit Inner 2way Tray-C1
Main Board Version	: 0		
Controller Version	: 1011.103.113		
Controller Function ID	: 56CD575B1449#A4990767505522747B7		
Function Version	: 2.0		
Scanner Version	: 101.0		
Finisher Version	: 0		

2 Common Settings

Copies	: 1
2-Sided Printing	: Off
Job Securing Time	: 1 hour
Timeout	: 15 s
Job Sense	: Off
Print After Completing RIP	: Off
Finisher	: None
Transparency Interleaving	: None
Color Mode	: Auto Detect
Personality	: Auto
Mode Priority	: None
Compressed Image Output	: Output

3 Paper Feed

Default Paper Size	: Letter
Default Paper Type	: Plain Paper
Paper Size Override	: Off

Density

Yellow	: 0
Magenta	: 0
Cyan	: 0
Black	: 0

4 Print Quality

Image Refinement	: On
Toner Save	: Off

5 Layout

Binding	: Long Edge
Margin	: 0.0 mm
Offset X	: 0.0 mm
Offset Y	: 0.0 mm

Gradation Settings

Gradation	: Normal
Graphics	: On
Image	: On

Halftones

Text	: Error Diffusion
Graphics	: Error Diffusion
Image	: Gradation

PCL

6 PCL Settings

PCL Version	: 41.10
Font Version	: 2002011?-4-2
Orientation	: Portrait
Font Number	: 0
Point Size	: 12.00 point
Pitch	: 10.00 cpi
Form Lines	: 60 lines
Symbol Set	: PC8
Custom Paper	: Off
Append CR to LF	: No

Gray Compensation

Text	: On
Graphics	: On

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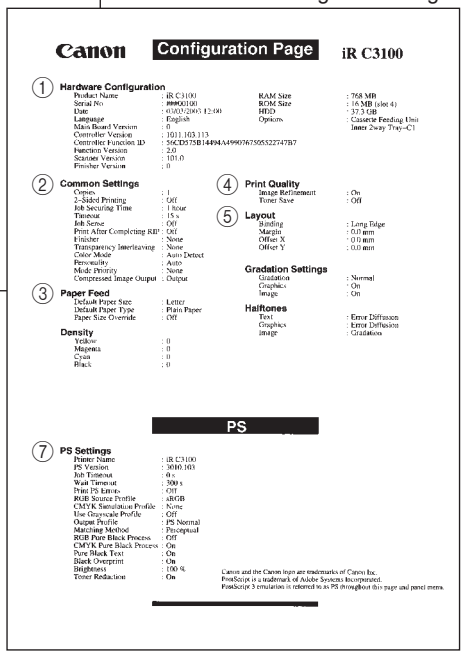
PS Configuration Page



Canon Configuration Page iR C3100

1 Hardware Configuration

Product Name	: iR C3100	RAM Size	: 768 MB
Serial No	: ####0100	ROM Size	: 16 MB (slot 4)
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Main Board Version	: 0		
Controller Version	: 1011.103.113		
Controller Function ID	: 56CD575B1449#A4990767505522747B7		
Function Version	: 2.0		
Scanner Version	: 101.0		
Finisher Version	: 0		

2 Common Settings

Copies	: 1
2-Sided Printing	: Off
Job Securing Time	: 1 hour
Timeout	: 15 s
Job Sense	: Off
Print After Completing RIP	: Off
Finisher	: None
Transparency Interleaving	: None
Color Mode	: Auto Detect
Personality	: Auto
Mode Priority	: None
Compressed Image Output	: Output

3 Paper Feed

Default Paper Size	: Letter
Default Paper Type	: Plain Paper
Paper Size Override	: Off

Density

Yellow	: 0
Magenta	: 0
Cyan	: 0
Black	: 0

4 Print Quality

Image Refinement	: On
Toner Save	: Off

5 Layout

Binding	: Long Edge
Margin	: 0.0 mm
Offset X	: 0.0 mm
Offset Y	: 0.0 mm

Gradation Settings

Gradation	: Normal
Graphics	: On
Image	: On

Halftones

Text	: Error Diffusion
Graphics	: Error Diffusion
Image	: Gradation

PS

7 PS Settings

Printer Name	: iR C3100
PS Version	: 3010.103
Job Timeout	: 0 s
Wait Timeout	: 300 s
Print PS Errors	: Off
RGB Source Profile	: sRGB
CMYK Simulation Profile	: None
Use Grayscale Profile	: Off
Output Profile	: PS Normal
Matching Method	: Perceptual
RGB Pure Black Process	: Off
CMYK Pure Black Process	: On
Pure Black Text	: On
Black Overprint	: On
Brightness	: 100 %
Toner Reduction	: On

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PostScript 3 emulation is referred to as PS throughout this page and panel menu.

The Configuration Page includes the following information:

①	**Hardware Configuration**	This section displays the hardware configuration of the machine, including any options that have been installed.
②	**Common Settings**	This section displays the common printer settings of the machine, as determined by the Settings menu. (See "Settings Menu," on p. 2-6.)
③	**Paper Feed**	This section displays the paper feed settings for the printer function of the machine, as determined by the Paper Feed section of the Settings menu. (See "Paper Feed," on p. 2-7.)
④	**Print Quality**	This section displays the print quality settings for the printer function of the machine, as determined by the Print Quality section of the Settings menu. (See "Print Quality," on p. 2-9.)
⑤	**Layout**	This section displays the layout settings for the printer function of the machine, as determined by the Layout section of the Settings menu. (See "Layout," on p. 2-11.)
⑥	**PCL Settings**	This section displays the PCL settings for the printer function of the machine, as determined by the PCL section of the Settings menu. (See "PCL," on p. 2-27.)
⑦	**PS Settings**	This section displays the PS settings for the printer function of the machine, as determined by the PS section of the Settings menu. (See "PS," on p. 2-32.)

Specifications

Specifications are subject to change without notice for product improvement or future release.

Software Specifications

Command Language	PCL 5c, PostScript 3 emulation, and UFR
Resident Fonts	PCL: 80 Scalable fonts, 30 Barcode fonts, 2 OCR fonts, and 10 Bitmap fonts PS: 136 Scalable fonts
Printable Area	PCL 5c: Reduced to 1/6" (4.23 mm) from the top, bottom, left, and right edges of the paper. PostScript 3 emulation: Reduced to 1/6" (4.0 mm) from the top, bottom, left, and right edges of the paper. UFR: Reduced to 1/6" (4.0 mm) from the top, bottom, left, and right edges of the paper. *If you are using 12_5/8" x 17_11/16" size paper, 3/10" (7.5 mm) from the right and left edges of the paper cannot be printed.

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